| E Tayari |  |
| :--- | :--- |
| Venue Name | Shri Aatm Vallabh Jain Girls P.G College |
| Exam Date | $03 / 03 / 2020$ |
| Exam Time | 10:00 AM - 11:00 AM |
| Subject | CGLE Tier I |

## Section: General Intelligence and Reasoning

Q. 1 Select the option in which the numbers are related in the same way as are the numbers in the given set.
$(269,278,296)$
Ans

1. $(313,322,340)$
2. $(109,118,128)$
3. $(419,430,448)$
4. $(577,586,598)$
Q. 2 Select the option that is related to the third word in the same way as the second word is related to the first word. Medicine : Disease :: Food : ?
Ans 1. Hunger
X 2. Energy
$X$ 3. Nutrition
X 4. Thirst
Q. 3 Which two numbers should be interchanged to make the given equation correct?
$9+7 \times 5-18 \div 2=3 \times 4-10+45 \div 5$
Ans
5. 7 and 4

X2. 9 and 3
X 3.18 and 45
X4. 2 and 5

Ans
$X$ 1. Ferry

- 2. Submarine
$X$ 3. Ship
X 4. Yacht
Q. 5 Amit is the brother of Sonia. Jyoti is the sister of Nikita. Sonia is the daughter of Satish's father. Nikita is the daughter of Kavinder. Jyoti is the mother of Amit. Mukesh is Nikita's only sister's husband. How is Satish related to Kavinder?
Ans
X 1. Son
$X$ 2. Brother
X 3. Son-in-law
- 4. Grandson
Q. 6 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

12 : 72 :: 18 : ? :: 22 : 242
Ans

1. 162

X2. 140
$X$ 3. 160
X4.164
Q. 7 Arrange the following words in the order in which they appear in an English dictionary.

1. Rightly
2. Rigidly
3. Righteous
4. Rigour
5. Rights

Ans

- 1. $3,1,5,2,4$

X 2. 3, 1, 5, 4, 2
X 3.1,3,5,2,4
X4.3,5,1,4,2

Ans
$X$ 1. DWIR
$X$ 2. BYGT
$X$ 3. NMSH

- 4. FVKO
Q. 9 Select the option in which the words share the same relationship as that shared by the given pair of words. Clock: Time
Ans

1. Ammeter: Current
$X{ }^{2}$. Taseometer: Wind
X 3. Balance : Scale
$X$ 4. Anemometer: Strains
Q. 10 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 6 | 21 | 14 |
| :--- | :--- | :--- |
| 40 | 500 | $?$ |
| 8 | 25 | 7 |

Ans $\times 1.78$
$\times 2.98$

- 3.91
$\times 4.84$
Q. 11 The given venn diagram represents employees in an or atttos:.//haryanaiobs. in

The triangle represents executives, the circle represents females, the rectangle represents MBAs and the square represents technical staff. The numbers given in the diagram represent the number of persons in that particular category.


How many female executives are there in the organisation?
Ans
X 1.10

- 2. 5
$\times 3.11$
$\times 4.15$
Q. 12 The ratio of the present ages of Asha and Lata is $5: 6$. If the difference between their ages is 6 years, then what will be Lata's age will be after 5 years?
Ans
$\times 1.40$
$\times 2.35$
-3. 41
$\times 4.45$
Q. 13 Two positions of the same dice are shown. Select the number that will be on the face opposite to the one showing 6 .


Ans
-1. 1
×2. 4
×3.3
$\times 4.5$

Ans
X1. $76-75+77=56$
X 2. $62-67+76=83$
3. $67-76+43=100$

Х4. $78-68+66=59$
Q. 15 In a certain code language, WARDROBE is written as YXVYXHJV. How will ACCURATE be written as in that language?

Ans

1. CZHPYTBV

X 2. DZGPXTBV

- 3. CZGPXTBV

X 4. BZHPXTBV
Q. 16 Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

RST2PK9LOX
Ans
$x_{1 .}$ ВгцऽЬКдГОХ
$x$ г. ХОлекчSтгя
$\checkmark$ з. ХолехчSтгя
${ }^{*}$ 4. ягтsq»елох
Q. 17 How many rectangles are there植中se:binaralygnajobs.in


Ans
$\times 1.34$
$\times 2.30$
$\times 3.32$
4. 33



Ans

Q. 19 Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.
k_Imml_mk_mmk_lkkl_m
Ans

1. $\mathrm{k}, \mathrm{l}, \mathrm{k}, \mathrm{l}, \mathrm{m}$

X 2. $\mathrm{k}, \mathrm{l}, \mathrm{m}, \mathrm{k}, \mathrm{k}$
X 3. k, m, m, k, l
(4.1, k, m, k, k



Ans

$\sqrt{ } 4$.
 from the statements.

Statements:

1. Some animals are elephants.
2. Some elephants are tigers

## Conclusions:

I. Some animals are tigers
II. No tiger is an animal.
$X$ 1. Only conclusion I follows.
2. Either conclusion I or II follows.
$X$ 3. Neither conclusion I nor II follows.
$X$ 4. Only conclusion II follows.
Q. 22 Select the number that can replace thati@sin/ /ha*
$17,21,30,46,71$, ?
Ans $\times 1.96$
$\times 2.105$
$\times 3.101$

- 4.107
Q. 23 Select the figure that can replace the question mark (?) in the following series.


Ans
X1.

$\times 2$


- 3. 


$\times 4$.

Q. 24 In a certain code language, 'HARVEST' is coded as '22-21-7-24-20-3-10'. How will 'FARMER' be coded as in that language?

Ans
X 1. 20-7-14-21-3-8
X 2. 19-7-15-20-3-7
X 3. 19-7-15-19-3-8
4. 20-7-15-20-3-8
Q. 25 Select the letter-cluster that can replace thtestibhlinaley:Ahtai.0ibsinigeries.

CXB, HUI, MRP, ROW, ?
Ans
入1. VKD
X 2. VKC

- 3. WLD

X4. WLZ

## Section : General Awareness

Q. 1 Name the media company that purchased the legendary studio of 21st Century Fox.

Ans
Х1. Viacom
X 2. Time Warner
3. Sony

- 4. Disney
Q. 2 Veteran freedom fighter, social reformer and feminist Savithribai Phule hailed from which of the following states of India?

Ans

1. Rajasthan

X 2. Gujarat

- 3. Maharashtra

X4. Odisha
Q. 3 Which of these institutions fixes the Repo Rate and the Reverse Repo Rate in India?

Ans

1. Ministry of Finance

Х 2. Comptroller and Auditor General of India
X 3. State Bank of India

- 4. Reserve Bank of India

Ans
X 1.1816
- 2.1818

X 3.1814
X 4.1820
Q. 5 As of February 2020, who is the President of Sri Lanka?

Ans 1. Maithripala Sirisena

- 2. Gotabaya Rajapaksa
(3. D.M. Jayaratne
\$4. Chandrika Kumaratunga
Q. 6 The World Food Program (WFP) is the food assistance branch of the United Nations. Where is it headquartered?

Ans

1. Brussels

X 2. Paris

- 3. Rome

X 4. New York
Q. 7 Which of these bones is NOT a part of the human ear?

Ans
>1. Incus
< 2. Stapes
-3. Femur
Х4. Malleus
Q. 8 Who among the following played the leading lady in the film 'Mission Mangal' that tells the dramatic true story of the women behind India's first mission to Mars?
Ans
Х 1. Deepika Padukone
2. Vidya Balan

X 3. Kajol4. Kareena Kapoor
 following states?

Ans
X 1. Haryana
Х 2. Odisha

- 3. Chhattisgarh

4. Jharkhand
Q. 10 The Araku Valley, a tourist resort, is located near which of these cities of South India?

Ans
X 1 . Madurai
X 2. Kochi
3. Visakhapatnam

Х 4. Mangalore
Q. 11 What is the uniform GST rate that has been fixed up for lottery prizes by the GST Council?
Ans
入1.18\%
> $2.32 \%$
v $3.28 \%$
Х $4.10 \%$
Q. 12 Who is the first and currently the only batsman to score double hundreds in four consecutive test series?
Ans

1. Virat Kohli

X 2. Rohit Sharma
3. A.B. de Villiers

Х 4. Brian Lara
Q. 13 What is the more common name for solid carbon dioxide?

Ans
X 1. Potash2. Quick Silver
3. Epsom
4. Dry Ice
 pilgrims to the final resting place of Sikhism founder Guru Nanak Dev?

Ans
X 1. Manmohan Singh
v 2. Narendra Modi
3. Ram Nath Kovind

X4.Amarinder Singh
Q. 15 The ruins of the ancient city of Hampi - capital of Vijayanagara - is located in which present day Indian state?

Ans

1. Karnataka

X 2. Bihar
3. Telangana
(4. Haryana
Q. 16 Name the author who won the Sahitya Akademi Award 2019 for his book - An Era of Darkness: The British Empire in India.

Ans

1. Vikram Seth
(2. Romila Thapar
2. Ramchandra Guha

- 4. Shashi Tharoor
Q. 17 For which of the following sports was Dronavalli Harika, conferred with the prestigious Padma Shri award?

Ans

1. Badminton
2. Archery

- 3. Chess
(4. Cricket
 which state of India?

Ans
2. Gujarat

X 3. Bihar
X 4. Karnataka
Q. 19 Red worms have a structure named $\qquad$ which helps them in grinding their food.
Ans
Х 1. Intestine
< 2 . Crop
X 3. Esophagus
4. Gizzard

## Q. 20 Sir Thomas Roe came as an official ambassador from King James I of England to which Mughal emperor's court?

Ans

1. Shah Jahan
2. Aurangzeb

Х 3 . Akbar
$\checkmark 4$
4. Jahangir
Q. 21 Which of these words refers to the scientific study of domestic dogs?

Ans
-1. Cynology
Х 2. Craniology
3. Carpology
4. Chrematistics
Q. 22 Prolific Indian painter Maqbool Fida Husain predominantly used which of these animals to depict a lively and free spirit in his paintings?
Ans
(1. Tigers

- 2. Horses

X3. Elephants
(4.Cows
 discovery led to his winning the Nobel Prize.

Ans
Х 1. Max Plank
2. J.S. Fleming

X 3. Enrico Fermi
v 4. James Chadwick
Q. 24 Sultan Qaboos bin Said of $\qquad$ the Arab world's longest-serving ruler and with a reputation for quiet diplomacy passed away recently (2020).
Ans

- 1. Oman

2. Kuwait

X 3 . Dubai
X4. Abu Dhabi
Q. 25 Which of the following books is NOT written by Salman Rushdie?

Ans
1 1. The Satanic Verses
2. An Area of Darkness

X 3. Midnight's Children
Х4. Shame

## Section : Quantitative Aptitude

Q. 1 A, B and C can individually complete a piece of work in 24 days, 15 days and 12 days, respectively. B and C started the work and worked for 3 days and left. The number of days required by A alone to complete the remaining work, is:

Ans

1. 11

X2. $15 \frac{1}{2}$
$\times 3.18$

- $4.13 \frac{1}{5}$ If $A$ lies in the first quadrant and $6 \tan A$
https://haryanaiobs sinn

Ans
-1. 1
$\times 2.4$
>3. -2
$\times 4.16$
Q. 3 If $x-y=4$ and $x y=45$, then the value of $x^{3}-y^{3}$ is:

Ans

1. 604
$\times 2.822$
$\times 3.151$
$\times 4.82$
Q. 4 The radius of a circular garden is 42 m . The distance (in m ) covered by running 8 rounds around it, is:
(Take $\pi=\frac{22}{7}$ )
Ans
X 1.1124

- 2. 2112
$\times 3.3248$
$\times 4.4262$

Years 2012-2017. Study the table and answer the question that follow.

|  | A | B | C | D | E | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2012 | 18 | 26 | 22 | 23 | 31 | 120 |
| 2013 | 22 | 18 | 32 | 40 | 18 | 130 |
| 2014 | 32 | 43 | 26 | 35 | 34 | 170 |
| 2015 | 18 | 22 | 26 | 14 | 20 | 100 |
| 2016 | 36 | 12 | 44 | 38 | 50 | 180 |
| 2017 | 12 | 48 | 40 | 22 | 28 | 150 |

In the year 2015, which type of car constitutes exactly $20 \%$ of the total number of cars produced that year?
Ans

1. E
X 2. A
X 3. D
X4. B
Q. 6 A person sells an article at $10 \%$ below its cost price. Had he sold it for ₹ 332 more, he would have made a profit of $20 \%$. What is the original selling price (in ₹) of the article?

Ans
X 1. 1,028
X2.1,328

- 3. 996

X4. 896
Q. 7 If ' + ' means ' - ', ' - ' means ' + ', ' $x$ ' means ' $\div$ ' and ' $\div$ ' means ' $x$ ', then the value of $\frac{42-12 \times 3+8 \div 2+15}{8 \times 2-4+9 \div 3}$ is:

Ans
×1. $\frac{15}{19}$
人2. $-\frac{5}{3}$
-3. $-\frac{15}{19}$
<4. $\frac{5}{3}$


|  | A | B | C | D | E | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2012 | 18 | 26 | 22 | 23 | 31 | 120 |
| 2013 | 22 | 18 | 32 | 40 | 18 | 130 |
| 2014 | 32 | 43 | 26 | 35 | 34 | 170 |
| 2015 | 18 | 22 | 26 | 14 | 20 | 100 |
| 2016 | 36 | 12 | 44 | 38 | 50 | 180 |
| 2017 | 12 | 48 | 40 | 22 | 28 | 150 |

If 2013 and 2014 are put together, which type of cars constitute exactly $25 \%$ of the total number of cars produced in those 2 years?
Ans
X1.B
X 2. E
X 3. C

- 4. D
Q. $9 \mathrm{~A}, \mathrm{~B}$ and C are three points on a circle such that the angles subtended by the chord AB and AC at the centre O are $110^{\circ}$ and $130^{\circ}$, respectively. Then the value of $\angle \mathrm{BAC}$ is:
Ans
X1. $65^{\circ}$
- 2. $60^{\circ}$
$\times$ 3. $70^{\circ}$
$\times 4.75^{\circ}$
Q. 10 A train crosses a pole in 12 sec , and a bridge of length 170 m in 36 sec . Then the speed of the train is:

Ans

1. $30.75 \mathrm{~km} / \mathrm{h}$
2. $10.8 \mathrm{~km} / \mathrm{h}$

- $3.25 .5 \mathrm{~km} / \mathrm{h}$

X $4.32 .45 \mathrm{~km} / \mathrm{h}$
Q. 11 The ratio of the number of boys to the number of girls in a school of 640 students, is $5: 3$. If 30 more girls are admitted in the school, then how many more boys should be admitted so that the ratio of boys to that of the girls, becomes 14:9.
Ans
$\times 1.15$2. 30

- 3. 20
$\times 4.25$

If $x^{2 a}=y^{2 b}=z^{2 c} \neq 0$ and $x^{2}=y^{h}$, then the vaive of $\frac{\text { atbecifca }}{b c}$ is
Ans
Х1.3ac

- 2. 3

X3. 3 ab
X4.3bc
Q. 13 If the length of a rectangle is increased by $40 \%$, and the breadth is decreased by $20 \%$, then the area of the rectangle increases by $x \%$. Then the value of $x$ is:
Ans

1. 16
2. 8

X 3.20

- 4.12
Q. 14 Out of 6 numbers, the sum of the first 5 numbers is 7 times the $6^{\text {th }}$ number. If their average is 136 , then the $6^{\text {th }}$ number is:

Ans
-1. 102
$\times 2.84$
$\times 3.96$
$\times 4.116$
Q. 15 If the number $1005 \times 4$ is completely divisible by 8 , then the smallest integer in place of $x$ will be:

Ans
X1.1

- 2. 0
$\times 3.4$
$\times 4.2$

Ans
-1. 4
>2. 1
>3.0
>4.2
Q. 17 In $\triangle \mathrm{ABC}, \mathrm{MN} \| \mathrm{BC}$, the area of quadrilateral $\mathrm{MBCN}=130 \mathrm{sq} \mathrm{cm}$. If $\mathrm{AN}: \mathrm{NC}=4: 5$, then the area of $\triangle \mathrm{MAN}$ is:


Ans
X1. $45 \mathrm{~cm}^{2}$
X2. $65 \mathrm{~cm}^{2}$
-3. $32 \mathrm{~cm}^{2}$
X4. $40 \mathrm{~cm}^{2}$
Q. 18 A shopkeeper marks the price of the article in such a way that after allowing $28 \%$ discount, he wants a gain of $12 \%$. If the marked price is ₹ 224 , then the cost price of the article is:

Ans

- 1. ₹ 144

X 2. ₹ 168
X 3. ₹ 120
X4. ₹196
Q. 19 If the base radius of 2 cylinders are in the ratio $3: 4$ and their heights are in the ratio $4: 9$, then the ratio of their volumes is:
Ans
X1.1:2
X2. $2: 1$
X 3.4:1

- $4.1: 4$

Years 2012-2017. Study the table and answer the question that follow.

|  | A | B | C | D | E | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2012 | 18 | 26 | 22 | 23 | 31 | 120 |
| 2013 | 22 | 18 | 32 | 40 | 18 | 130 |
| 2014 | 32 | 43 | 26 | 35 | 34 | 170 |
| 2015 | 18 | 22 | 26 | 14 | 20 | 100 |
| 2016 | 36 | 12 | 44 | 38 | 50 | 180 |
| 2017 | 12 | 48 | 40 | 22 | 28 | 150 |

The percentage increase in the total cars in 2016 over 2012, is:
Ans
X1.33.33\%
X 2. $45 \%$

- 3. $50 \%$

X4. $62.33 \%$
Q. 21 If $x, y, z$ are three integers such that $x+y=8, y+z=13$ and $z+x=17$, then the value of $\frac{x^{2}}{y z}$ is:

Ans
<1. $\frac{7}{5}$
$\times 2.1$
> 3.0

- $4 . \frac{18}{11}$
Q. 22 The area of $\triangle \mathrm{ABC}$ is $44 \mathrm{~cm}^{2}$. If D is the midpoint of BC and E is the midpoint of AB , then the area (in $\mathrm{cm}^{2}$ ) of $\triangle \mathrm{BDE}$ is:
Ans
-1. 11
Х2. 5.5
X 3.22
<4. 44
 the same rate of interest.

Ans

1. ₹ 8,420

X 2. ₹ 9,260
X 3. ₹ 5,710
X4. ₹ 7,200
Q. 24 If $x=4 \cos A+5 \sin A$ and $y=4 \sin A-5 \cos A$, then the value of $x^{2}+y^{2}$ is:

Ans
X1. 25
$\times 2.16$
Х 3.0
ง 4.41
Q. 25 The given table shows the number (in thousands) of cars of five different models A, B, C, D and E produced during Years 2012-2017. Study the table and answer the question that follow.

|  | A | B | C | D | E | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2012 | 18 | 26 | 22 | 23 | 31 | 120 |
| 2013 | 22 | 18 | 32 | 40 | 18 | 130 |
| 2014 | 32 | 43 | 26 | 35 | 34 | 170 |
| 2015 | 18 | 22 | 26 | 14 | 20 | 100 |
| 2016 | 36 | 12 | 44 | 38 | 50 | 180 |
| 2017 | 12 | 48 | 40 | 22 | 28 | 150 |

The percentage decrease in the production of which type of car in 2017, with reference to 2016, was the maximum?
Ans
X1. C
X2. E
-3. A
X4. D
 order
A. However, the rate of population increase is another important factor to consider.
B. This change can be expressed in two ways.
C. Growth of population refers to the change in the number of inhabitants of a country.
D. First, in terms of absolute numbers and second, in terms of percentage change.

Ans

- 1. CBDA
< 2. CADB
X 3. BADC
X4.BDCA
Q. 2 Select the correct synonym of the given word.

Obligatory
Ans
Х1. Reckless2. Useless
3. Mandatory
4. Aggressive
Q. 3 Fill in the blank with the most appropriate word.

We must $\qquad$ help to the homeless and physically disabled people.
Ans

- 1. render

Х 2. contribute
3 3. donate
<4.exert
Q. 4 In the sentence identify the segment which contains the grammatical error.

One of the boys from our school have been selected for National Badminton Championship.
Ans

1. have been selected
2. from our school3. for National Badminton Championship
3. One of the boys
Q. 5 Select the passive form of the given sentertẹS:"//haryanajobs.in

The manager keeps the work pending.
Ans

1. The work is kept pending by the manager.
2. The work was kept pending by the manager.
3. The work has been kept pending by the manager
4. The work are being kept pending by the manager.
Q. 6 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement

The Director will agree with the proposal if we do not exceed the budget.
Ans
X 1. No Improvement

- 2. agree to the proposal

3. agree on a proposal
4. agreed by the proposal

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Communication plays a (1) $\qquad$ role in the overall development of man. It can be learnt by our (2) $\qquad$ efforts. Today, success in our professional life depends on our (3) $\qquad$ to read, write and speak well which results in effective communication. Barriers (4) $\qquad$ these communication hinder the communication process. It is very important to (5) $\qquad$ barriers so that the transmission of the message can be smooth.

SubQuestion No : 7
Q. 7 Select the most appropriate option for blank No. 1

Ans
Х 1. better
X 2. total

- 3. vital

4. lifeless

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Communication plays a (1) $\qquad$ role in the overall development of man. It can be learnt by
our (2) $\qquad$ efforts. Today, success in our professional life depends on our (3) $\qquad$ to read, write and speak well which results in effective communication. Barriers (4) $\qquad$ these barriers so that the transmission of the message can be smooth.

## SubQuestion No : 8

Q. 8 Select the most appropriate option for blank No. 2

Ans

- 2. conscious
- 3. contradictory
(4. important


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Communication plays a (1) $\qquad$ role in the overall development of man. It can be learnt by our (2) $\qquad$ efforts. Today, success in our professional life depends on our (3) $\qquad$ to
read, write and speak well which results in effective communication. Barriers (4) $\qquad$ these
barriers so that the transmission of the message can be smooth.
SubQuestion No: 9
Q. 9 Select the most appropriate option for blank No. 3

Ans
2 2 agility3. facility
4. ability

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Communication plays a (1) $\qquad$ role in the overall development of man. It can be learnt by
our (2) $\qquad$ efforts. Today, success in our professional life depends on our (3) $\qquad$ to
read, write and speak well which results in effective communication. Barriers (4) $\qquad$ these
barriers so that the transmission of the message can be smooth.
SubQuestion No : 10

## Q. 10 Select the most appropriate option for blank No. 4

Ans


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Communication plays a (1) $\qquad$ role in the overall development of man. It can be learnt by
our (2) $\qquad$ efforts. Today, success in our professional life depends on our (3) $\qquad$ to
read, write and speak well which results in effective communication. Barriers (4) $\qquad$ these
barriers so that the transmission of the message can be smooth.
SubQuestion No: 11
Q. 11 Select the most appropriate option for blank No. 5

Ans

1. strengthen

- 2. overcome
> 3. create4. succeed
Q. 12 Select the correctly spelt word.

Ans $\times 1$.exhoust
v 2. exhibit
X 3 . exhail
X4. exteract
Q. 13 Select the appropriate meaning of the gi/att申фorn:://haryanajobs.in

To take French leave
Ans

1. Welcome the host

2 2. Acknowledge the host
3. Leave with written permission4. Leave without any intimation
Q. 14 Select the correct synonym of the given word.

Scintillating
Ans
-1. Glittering
X 2 . Boring
3. Stinging
4. Flattering
Q. 15 Select the word, which means the same as the given group of words.

Something that cannot be heard
Ans

1. infallible

2 2. audible

- 3. inaudible

4. irrevocable
Q. 16 Fill in the blank with the most appropriate word.

Handle this glass table with care because it is $\qquad$ .
Ans
X 1 . volatile
2. ductile

- 3. fragile4. frugal
Q. 17 Select the correctly spelt word.

2 2. Bouquette

- 3. Sarcasm

4 4. Retalaite
Q. 18 Select the correct antonym of the given word.

Exodus
Ans
X1. Exit
X 2. Departure
3. Refund

- 4. Arrival
Q. 19 Select the correct antonym of the given word.


## Quiescent

Ans
X 1. Peaceful

- 2. Active

X 3 . Dejected
(4. Indifferent
Q. 20 Select the word, which means the same as the groups of words given.

A song sung at a burial
Ans
X 1 . Sonnet
X 2. Ballad
X3. Hymn

- 4. Dirge

I can swim very fast when I was only five.
Ans
< 1. very fast
- 2 . I can swim

X 3. when I was
(4. only five
Q. 22 Select the appropriate meaning of the given idiom.

A hard nut to crack
Ans $\times$ 1. Easily encouraged
2. Easily disappointed
3. A difficult problem
4. Not restrained
Q. 23 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement

The captain as well the players were responsible for winning the trophy.
Ans
X1. No Improvement
2. The captain as well as the players was
3.As The captain with the players were
4. The captain also the players were
Q. 24 Given below are four jumbled sentences. Select the option that gives their correct order
A. However, they ignore the truth that progress and success are proportional to the labor they put in.
B. The general human tendency is to find faults in the policies framed by the government.
C. They blame the government for their slow progress, expecting miracles and magical transformation in their life.
D. So people openly criticize and condemn the policy makers.

Ans
X 1. CDAB

- 2. BDCA

X 3 . DBAC
>4.ABCD

## Q. 25 Select the indirect narration of the given|settteme: //haryanajobs. in

He said to the hotel receptionist, "Can you tell me the tariff of rooms?
Ans

1. He asked the hotel receptionist that if he can tell him the tariff of rooms.

X 2. He enquired the hotel receptionist if he can tell him the tariff of rooms.
3. He asked the hotel receptionist to tell him the tariff of rooms.

- 4. He asked the hotel receptionist if he could tell him the tariff of rooms.

Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | ETayari |
| :--- | :--- |
| Candidate Name | ETayari |
| Venue Name | iON Digital Zone iDZ 2 Metoda |
| Exam Date | 03/03/2020 |
| Exam Time | 1:00 PM - 2:00 PM |
| Subject | CGLE Tier I |

Section: General Intelligence and Reasoning
Q. 1 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' $<$ '.


Ans
入1. \#
入2. \&
-3.@
>4. \$
Q. 2 In a certain code language, 'PEN' is coded as ' 321028 '. How will 'TUB' be coded as in that language?

Ans
X 1.44024
X 2. 40422
$\times 3.42404$
4. 40424
Q. 3 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
$X 1$. BEHK
$X$ 2. ADGJ
3. FHKM

X 4. JMPS
Q. 4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
$\begin{array}{lll}5 & 4\end{array}$
156 ?
$\begin{array}{lll}9 & 11 & 202\end{array}$
Ans Х 1. 209
<2. 212
Х 3.122

- 4. 261
Q. 5 In the given Venn diagram, the 'circle' represents 'ladies', the 'triangle' represents 'teachers', and the 'rectangle' represents 'unmarried persons'. The numbers given in the diagram represent the number of persons in that particular category.


How many married ladies are teachers?
Ans
$\times 1.6$2. 3
$\times 3.9$
X4.11
Q. 6 Arrange the following words in a logical and meaningful order.

1. Hexagon
2. Nonagon
3. Pentagon
4. Heptagon
5. Octagon

Ans
X 1. 1-4-5-2-3
X 2. 4-3-1-2-5

- 3. 3-1-4-5-2
$\times 4.1-3-4-5-2$
Q. 7 In a certain code language, 'HAMMER' is written as 'ICPQJX'. How will 'WRENCH' be written as in that language?

Ans
$X$ 1. XTIRHN
2. XTHRHN
$X$ 3. XTIRIN
$X$ 4. XTHRIN
Q. 8 Select the number that can replace the question mark (?) in the following series.
$55,58,64, ?, 85$
Ans

1. 67

X2. 70

- 3. 73
$\times 4.77$
Q. 9 Select the option in which the words share the same relationship as that shared by the given pair of words. Faculty : Teachers
Ans
$X$ 1. Ants: Flock
$X$ 2. Galaxy: Apartments
$X$ 3. Colony: Wolves

4. Fleet: Trucks
Q. 10 Select the letter-cluster that can replace the question mark (?) in the following series.

BRH, ZUD, ? , VAV, TDR, RGN
Ans
X 1. XYZ
X 2. XZZ

- 3. XXZ

X 4. XZY
Q. 11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:

1. All dogs are lions.
2. No elephant is a lion.

Conclusions:
I. No dog is an elephant.
II. No lion is a dog.
III. Some elephants are dogs

Ans

1. Only conclusions II and III follow.
$X$ 2. Only conclusion II follows.
$X$ 3. Only conclusions I and III follow.

- 4. Only conclusion I follows.
Q. 12 How many triangles are there in the given figure?


Ans
X1. 6
X 2.12

- 3. 10

Х4.8
Q. 13 Which two signs should be interchanged to make the given equation correct?
$36 \div 2 \times 12+3-6=24$
Ans
$\times 1$. - and $\div$
2. $\times$ and -
$\times 3 .+$ and $\times$
$\times 4 . \div$ and $\times$
Q. 14 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans

$\times 2$

$\checkmark 3$

$\times 4$

Q. 15 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 7 | 13 | 6 |
| :--- | :--- | :--- |
| 4 | 22 | 18 |
| 15 | $?$ | 7 |

Ans 22
$\times 2.23$
X3. 21
X4. 24
Q. $16 \mathrm{~A}+\mathrm{B}$ means ' B is the brother of A ';
$\mathrm{A}-\mathrm{B}$ means ' A is the mother of B ';
$\mathrm{A} \times \mathrm{B}$ means ' A is the father of B ';
$A \div B$ means ' $A$ is the son of $B$ '.
If, $\mathrm{P}+\mathrm{R} \times \mathrm{T}-\mathrm{Q} \div \mathrm{S}+\mathrm{U}$, then how is S related to R ?
Ans

- 1. Son-in-law

X 2. Grandson
$X$ 3. Grandfather
$X 4$. Brother
Q. 17 Select the figure that can replace the question mark (?) in the following series.


Ans

$\times$ 莒

Q. 18 Select the option that is related to the third number in the same way as the second number is related to the first number. 2809: 53 :: 1524 : ?

Ans 1.32
$\times 2.31$
$\times 3.33$
$\times 4.35$
Q. 19 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.


Ans

$\checkmark 4$.

Q. 20 Eight words have been given, out of which seven are alike in some manner and one is different. Select the odd word.

Monitor, Headphone, Mouse, Keyboard, Windows, Printer, Scanner, Speaker
Ans
$X$ 1. Printer
2. Windows

X 3. Monitor
X 4. Mouse
Q. 21 Select the option figure in which the given figure is embedded (rotation is not allowed).


Ans

Q. 22 'Cardiologist' is related to 'Heart' in the same way as 'Neurologist' is related to ' $\qquad$ ,

Ans
$X$ 1. Ears2. Brain
$X$ 3. Lungs4. Teeth
Q. 23 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
X1.39-722. 57-38

X 3. $42-12$
X 4. 28-60
Q. 24 In an exam of 80 questions, a correct answer is given +1 mark, a wrong answer is given -1 mark, and if a question is not attempted there are zero marks. If a student attempted only $80 \%$ of the questions and got 32 marks, then how many questions did he answer correctly?

Ans

1. 48
$\times 2.16$
$\times 3.56$
X4.32
Q. 25 Select the letter that can replace the question mark (?) in the following series.

J, M, P, ? , V, Y
Ans
X 1.R
$\times$ 2. T
$\times$ 3. O

- $4 . \mathrm{S}$

Section: General Awareness
Q. 1 Wings India 2020 is scheduled to be held in which of the following airports?

Ans

- 1. Begumpet Airport
(2. Warangal Airport

3. Rajahmundry Airport
(4. Vijayawada Airport
Q. 2 In which state was the Global Investors Meet, ASCEND 2020 organised?

Ans
X 1. Gujarat2. Maharashtra
$\checkmark$
3. Kerala4. Rajasthan
Q. 3 What was India's position in the Brand Finance Nation ranking of 2019?

Ans
X 1. Third
$\times$
2. Sixth

X
3. Fifth
4. Seventh
Q. 4 Which of the following is NOT a vertebrate?

Ans
X

1. Mammal2. Fish
2. Snai4. Bird
Q. 5 Which of the following is the major component of vinegar?

Ans


1. Nitric acid
$>$
2. Lactic acid
3. Citric acid
4. Acetic acid
Q. 6 Who became the first Indian equestrian to qualify for the Tokyo Olympics 2020?

Ans
X1. Amit Sinsinwar
$>$
2. Sehej Singh Virk3. Amar Sarin
4. Fouaad Mirza
Q. 7 In which year was the foundation stone for the Gateway of India laid in Bombay (now Mumbai)?

Ans
>1. 1905
$\checkmark$
2. 19133. 1915
< 4.1920
Q. 8 Who among the following was honoured with the 50th Dadasaheb Phalke Award?

Ans
X 1. Kamal Haasan2. Amitabh Bachchan
$>$
3. Naseeruddin Shah4. Anupam Kher
Q. 9 In which of the following states is the Madhavpur Mela celebrated?

Ans
X1. Bihar2. Uttar Pradesh3. Madhya Pradesh
4. Gujarat
Q. 10 In which of the following countries was the 95th edition of the prestigious Hastings International Chess Congress held?
Ans
<1. Belgium
$>$
2. France3. Australia4. England
Q. 11 Which of the following festivals means 'Merry making of the Gods'?

Ans1. Diwali
2. Lai Haraoba3. Makar Sankranti4. Pongal
Q. 12 In which district of Karnataka is the Brahmagiri Wildlife Sanctuary located?

Ans

- 1. Kodagu2. Mandya
$\times$

3. Hassan4. Udupi
Q. 13 When we cut an onion, the synthase enzyme converts the amino acid sulfoxides of the onion into which acid?

Ans
< 1. Citric acid
$\$$
2. Nitric acid
3. Sulphuric acid
4. Sulfenic acid
Q. 14 Which of the following was previously known as 'the Lady Willingdon Park'?

Ans 1. Buddha Jayanti Park

- 2. Lodhi Gardens3. Deer Park

X
4. Mughal Gardens
Q. 15 Ajatashatru, a ruler of the Haryanka Dynasty, was the son of $\qquad$ _.
Ans
X1.Udayin2. Anurudha3. Bimbisara4. Naga-Dasak
Q. 16 Borra caves are situated on the East Coast of India in which of the following hills?

Ans
X 1. Horsley Hills
$\$$
2. Nagari Hills3. Ananthagiri Hill
$<$
4. Nallamala Hills

## Q. 17 Objects that shine in the night sky are known as:

Ans1. constellations
2. celestial bodies3. asteroids4. meteoroids
Q. 18 'Industry 4.0' is a complex cyber-physical system which synergies production with digital technologies. The Ministry of Railways and the Department of Science and Technology have joined hands in partnership with which institution for taking up a unique project on 'Industry 4.0'?

Ans
入1. IIT Bombay

- 2. IIT Kanpu

X3.IIT Delhi4. IIT Madras
Q. 19 Archaeologist R Nagaswamy was honoured at the Silver Jubilee International Conference of Art by which country?
Ans
<1. Nepal
2. Bangladesh
$\$$
3. Bhutan
<4. China
Q. 20 Who among the following was the last ruler of the Nanda dynasty?

Ans

1. Govishanaka
< 2. Kaivarta3. Dhanananda4. Panduka
Q. 21 Which of the following glands is present between the lungs?

Ans
1 1. Pituitary2. Hypothalamus3. Thymus

3
4. Pineal
Q. 22 Which law of physics states that the force between the two electric charges reduces to a quarter of its former value when the distance between them is doubled?
Ans

- 1. Coulomb's Law
< 2. Pascal's Law
$>$

3. Stefan's Law4. Hooke's Law
Q. 23 Which state's Legislative Assembly adopted a new logo consisting of the national emblem and foxtail orchid (Rhynchostylis Retusa), the state flower, in January 2020?

Ans

1. Mizoram
$\$$
2. Tripura3. Meghalaya
3. Arunachal Pradesh
Q. 24 In which state has the Khadi and Village Industries Commission (KVIC) opened the first silk processing plant?
Ans
< 1. Maharashtra2. Gujarat
$>$
4. Tamil Nadu4. Karnataka
Q. 25 In January 2020, Home Minister Amit Shah released a book ‘Karmayoddha Granth'. This book is based on the life of $\qquad$ .

Ans
X 1. Mahatma Gandhi
$v$
2. Narendra Modi3. Sardar Vallabhbhai Patel
4. Jawaharlal Nehru

Section : Quantitative Aptitude
Q. 1 The given table represents the number of engineers recruited by four companies A, B, C and D over the years. Study the table carefully and answer the question that follows.

| Company | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: |
|  | 120 | 90 | 85 | 105 |
|  | 132 | 118 | 93 | 97 |
| 2016 | 128 | 98 | 94 | 100 |
| 2017 | 140 | 106 | 98 | 116 |
| 2018 | 148 | 112 | 105 | 125 |
| 2019 | 150 | 118 | 110 | 122 |

The total number of engineers recruited by company A in 2014 to 2017 is what percentage more than the total number of engineers recruited by all four companies in 2019?
Ans
>1. 3.5
$\times 2.2 .5$3. 3
4. 4
Q. 2 A dealer marks an article $40 \%$ above the cost price and sells it to a customer, allowing two successive discounts of $20 \%$ and $25 \%$ on the marked price. If he suffers a loss of ₹ 140 , then the cost price (in ₹) of the article is:

Ans

1. 840
$\times 2.872$
$\times 3.900$
2. 875
Q. 3 The value of the expression $\operatorname{cosec}\left(85^{\circ}+\theta\right)-\sec \left(5^{\circ}-\theta\right)-\tan \left(55^{\circ}+\theta\right)+\cot \left(35^{\circ}-\theta\right)$ is:

Ans X1.1
X2. $\frac{3}{2}$
< $3 .-1$

- 4.0
Q. 4 Quadrilateral ABCD circumscribes a circle. If $\mathrm{AB}=8 \mathrm{~cm}, \mathrm{BC}=7 \mathrm{~cm}$ and $\mathrm{CD}=6 \mathrm{~cm}$, then the length of AD is:

Ans
$X 1.7 .5 \mathrm{~cm}$2. 7 cm

X 3.6 cm
X 4.6 .8 cm
Q. 5 The compound interest on a certain sum at $10 \%$ p.a. for $2 \frac{1}{3}$ years is $₹ 1,201.60$, interest compounded yearly. The sum is:

Ans
X 1. ₹5,400
X 2. ₹ 4,2003. ₹ 4,800
$\times 4$
4. ₹ 4,500
Q. 6 In $\triangle A B C, A B=A C$ and $A L$ is perpendicular to $B C$ at $L$. In $\triangle D E F, D E=D F$ and $D M$ is perpendicular to $E F$ at $M$. If (area of $\triangle \mathrm{ABC})$ : (area of $\triangle \mathrm{DEF})=9: 25$, then $\frac{\mathrm{DM}+\mathrm{AL}}{\mathrm{DM}-\mathrm{AL}}$ is equal to:
Ans
X 1.6

- 2.4
$\times 3.3$

4. 5
Q. 7 PQRS is a cyclic quadrilateral in which $\mathrm{PQ}=x \mathrm{~cm}, \mathrm{QR}=16.8 \mathrm{~cm}, \mathrm{RS}=14 \mathrm{~cm}, \mathrm{PS}=25.2 \mathrm{~cm}$, and PR bisects QS .

What is the value of $x$ ?
Ans
X1. 242. 21
$\times 3.18$
X4. 28
Q. 8 The value of $\left(18 \div 2\right.$ of $\left.\frac{1}{4}\right) \times\left(\frac{2}{3} \div \frac{3}{4} \times \frac{5}{8}\right) \div\left(\frac{2}{3} \div \frac{3}{4}\right.$ of $\left.\frac{3}{4}\right)$ is:

Ans
X1. $8 \frac{5}{8}$

- 2. $16 \frac{7}{8}$

X 3. $2 \frac{7}{64}$
$\times 4.10 \frac{2}{3}$
Q. 9 A and B start moving towards each other from places X and Y , respectively, at the same time. The speed of A is $20 \%$ more than that of B. After meeting on the way, A and B take $2 \frac{1}{2}$ hours and $x$ hours, now to reach Y and X , respectively. What is the value of $x$ ?

Ans
X1. $3 \frac{1}{2}$
X2. $3 \frac{2}{3}$
X3. $3 \frac{2}{5}$

- 4. $3 \frac{3}{5}$
Q. 10 The expression $(a+b-c)^{3}+(a-b+c)^{3}-8 a^{3}$ is equal to:

Ans
X 1. $6 a(a+b-c)(a-b+c)$

- 2. $6 a(a-b+c)(c-a-b)$

X 3. $3 a(a+b-c)(a-b+c)$
$\times 4.3 a(a-b+c)(c-a-b)$
Q. 11 If $\frac{\sec \theta-\tan \theta}{\sec \theta+\tan \theta}=\frac{3}{5}$, then the value of $\frac{\operatorname{cosec} \theta+\cot \theta}{\operatorname{cosec} \theta-\cot \theta}$ is:

Ans

1. $31+8 \sqrt{15}$

X2. $33+4 \sqrt{15}$
X 3. $27+\sqrt{15}$
X4. $24+\sqrt{15}$
Q. 12 If $2 \sin \theta+15 \cos ^{2} \theta=7,0^{\circ}<\theta<90^{\circ}$, then $\tan \theta+\cos \theta+\sec \theta=$

Ans
$\times 1.3 \frac{4}{5}$
$\times 2.3$

- 3. $3 \frac{3}{5}$
$\times 4.4$
Q. 13 If $x$ is the mean proportional between 12.8 and 64.8 and $y$ is the third proportional to 38.4 and 57.6 , then $2 x: y$ is equal to:

Ans

1. $2: 3$

X 2.1:2
X 3. 3:4
4. $4: 5$
Q. 14 A race track is in the shape of a ring whose inner and outer circumferences are 440 m and 506 m , respectively. What is the cost of levelling the track at $₹ 6 / \mathrm{m}^{2} ?$ (Take $\pi=\frac{22}{7}$ )

Ans

1. ₹ 29,799
$\times 2$
2. ₹ 24,832

X 3. ₹ 19,866
X 4. ₹ 18,966
Q. 15 The given table represents the number of engineers recruited by four companies A, B, C and D over the years. Study the table carefully and answer the question that follows.

| Year $\downarrow \boldsymbol{\downarrow}$ Company | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: |
| 2014 | 120 | 90 | 85 | 105 |
| 2015 | 132 | 118 | 93 | 97 |
| 2016 | 128 | 98 | 94 | 100 |
| 2017 | 140 | 106 | 98 | 116 |
| 2018 | 148 | 112 | 105 | 125 |
| 2019 | 150 | 118 | 110 | 122 |

The total number of engineers recruited by company B in 2014 and 2017 is what percentage of the total number of engineers recruited by C during 2015 to 2019 ?
Ans
X 1.38 .2
X 2.38 .4

- 3. 39.2

X4.37.8
Q. 16 A can complete a certain piece of work in 40 days. B is $25 \%$ more efficient than A and C is $28 \%$ more efficient than B. They work together for 5 days. The remaining work will be completed by B alone, in:
Ans

- 1. $16 \frac{3}{5}$ days

X 2. $20 \frac{1}{2}$ days
X 3. $20 \frac{3}{4}$ days
$\times 4.16 \frac{1}{5}$ days
Q. 17 The given table represents the number of engineers recruited by four companies A, B, C and D over the years. Study the table carefully and answer the question that follows.

| Year $\downarrow \boldsymbol{\text { Company }} \boldsymbol{\longrightarrow}$ | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: |
| 2014 | 120 | 90 | 85 | 105 |
| 2015 | 132 | 118 | 93 | 97 |
| 2016 | 128 | 98 | 94 | 100 |
| 2017 | 140 | 106 | 98 | 116 |
| 2018 | 148 | 112 | 105 | 125 |
| 2019 | 150 | 118 | 110 | 122 |

The number of the years in which the number of engineers recruited by company $D$ is less than the average number of engineers recruited by B in the given six years, is:

Ans
<1.12. 3
<3. 4
$\times 4.2$
Q. 18 The given table represents the number of engineers recruited by four companies A, B, C and D over the years. Study the table carefully and answer the question that follows.

| Year $\downarrow$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\downarrow$ | Company | A | B | C |
| 2014 | 120 | D |  |  |
| 2015 | 132 | 118 | 85 | 105 |
| 2016 | 128 | 98 | 94 | 97 |
| 2017 | 140 | 106 | 98 | 116 |
| 2018 | 148 | 112 | 105 | 125 |
| 2019 | 150 | 118 | 110 | 122 |

The ratio of the total number of engineers recruited by companies A and B in 2015 and 2018 to the total number of engineers recruited by C and D in 2014 and 2018, is:

Ans
-1. $17: 14$
X 2. $13: 21$
X 3. $28: 19$
X4.9:14
Q. $19 \triangle \mathrm{ABC}$ is an equilateral triangle and $\mathrm{AD} \perp \mathrm{BC}$, where D lies on BC . If $\mathrm{AD}=4 \sqrt{3} \mathrm{~cm}$, then what is the perimeter (in cm ) of $\triangle \mathrm{ABC}$ ?
Ans

- 1. 24
$\times 2.30$
$\times 3.21$
$\times 4.27$
Q. 20 Anu fixes the selling price of an article at $25 \%$ above its cost of production. If the cost of production goes up by $20 \%$ and she raises the selling price by $10 \%$, then her percentage profit is (correct to one decimal place):

Ans
X 1.13.8\%
$\times 2.15 .2 \%$3. $14.6 \%$

X 4. $16.4 \%$
Q. 21 The average of the first four numbers is three times the fifth number. If the average of all the five numbers is 85.8 , then the fifth number is:
Ans
-1. 33
<2. 29
$\times 3.39$
$\times 4.34$
Q. 22 Two bottles of the same capacity are $35 \%$ and $33 \frac{1}{3} \%$ full of orange juice, respectively. They are filled up completely with apple juice and then the contents of both bottles are emptied into another vessel. The percentage of apple juice in the mixture is:
Ans
$\times 1.60 \frac{2}{3}$
X2. $64 \frac{1}{3}$

- $3.65 \frac{5}{6}$
$\times 4.34 \frac{1}{6}$
Q. 23 If $x^{4}+x^{2} y^{2}+y^{4}=21$ and $x^{2}+x y+y^{2}=7$, then the value of $\left(\frac{1}{x^{2}}+\frac{1}{y^{2}}\right)$ is:

Ans
-1. $\frac{5}{4}$
$\times 2 \cdot \frac{7}{4}$
$\times 3 . \frac{7}{3}$
$\times 4 . \frac{5}{2}$
Q. 24 When 200 is divided by a positive integer $x$, the remainder is 8 . How many values of $x$ are there?

Ans
X1. 6
$\times 2.7$

- 3.8
$\times 4.5$
Q. 25 If $x^{2}+3 x+1=0$, then what is the value of $x^{6}+\frac{1}{x^{6}}$ ?

Ans
$\times 1.324$
$\times 2.327$

- 3.322

X4.318

Section : English Comprehension
Q. 1 In the sentence identify the segment which contains the grammatical error.

The modern man is busy acquiring more and more wealth and designing ways to invest it in more sense pleasures.
Ans

- 1. in more sense pleasures

X 2. modern man is busy
$>$
3. acquiring more and more wealth4. designing ways to invest it
Q. 2 Select the correct indirect form of the given sentence.

He said to me, "What are you doing?"
Ans

1. He asked me what I was doing
2. He asked me that what was I doing.
3. He said what I had been doing.4. He said that what I was doing.
Q. 3 Select the synonym of the given word.

PATHETIC
Ans
X 1. Curious
$\checkmark$
2. Pitiful
$\$$
3. Dull4. Insignificant
Q. 4 Select the antonym of the given word.

HILARIOUS
Ans
<1. Blithe
< 2. Happy
$\checkmark$
3. Sad4. Merry
Q. 5 Select the most appropriate word to substitute the underlined word of the given sentence. If no substitution is required, select 'No improvement'.

There is a great degrade in values in modern age.
Ans

1. degradation of values2. deliberation for values
2. demonstration from values
$>$
3. No improvement
Q. 6 Select the most appropriate word to fill in the blank.

It is an $\qquad$ day to start your new business.
Ans
入1. occasional

- 2. auspicious
<3. ominous
$\$$

4. audacious

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1) $\qquad$ on them that they are in a fair way to become his (2) $\qquad$ Already men spend most of their lives looking after and waiting (3) $\qquad$ machines. Machines are very stern bosses. They must be fed with coal and (4) $\qquad$ petrol to drink and oil to wash with and must be kept at an (5) $\qquad$ temperature.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank no. 1

Ans

- 1. dependent

Х 2. inferior
Х 3. subordinate
X 4. helpless

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1) $\qquad$ on them that they are in a fair way to become his (2) $\qquad$ Already men spend most of their lives looking after and waiting (3) $\qquad$ machines. Machines are very stern bosses. They must be fed with coal and (4) $\qquad$ petrol to drink and oil to wash with and must be kept at an (5) $\qquad$ temperature.

SubQuestion No: 8
Q. 8 Select the most appropriate option for blank no. 2

Ans
< 1. administrators

- 2. masters

X 3. victims4. slaves

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1) $\qquad$ on them that they are in a fair way to become his (2) $\qquad$ . Already men spend most of their lives looking after and waiting (3) $\qquad$ machines. Machines are very stern bosses. They must be fed with
coal and (4) $\qquad$ petrol to drink and oil to wash with and must be kept at an (5) $\qquad$ temperature.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank no. 3

Ans

< 2 into3. under4. upon

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1) $\qquad$ on them that they are in a fair way to become his (2) $\qquad$ Already men spend most of their lives looking after and waiting (3) $\qquad$ machines. Machines are very stern bosses. They must be fed with coal and (4) $\qquad$ petrol to drink and oil to wash with and must be kept at an (5) $\qquad$ temperature.

SubQuestion No: 10

## Q. 10 Select the most appropriate option for blank no. 4

Ans
(1. gave

- 2. given

X3.gives
(4. give

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Machines were made to be man's servants. Yet, man has grown so (1) $\qquad$ on them that they are in a fair way to become his (2) $\qquad$ Already men spend most of their lives looking after and waiting (3) $\qquad$ machines. Machines are very stern bosses. They must be fed with coal and (4) $\qquad$ petrol to drink and oil to wash with and must be kept at an (5) $\qquad$ temperature.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank no. 5

Ans
入1. outdated2. optional3. optimist4. optimum

## Q. 12 Select the correct active form of the given sentence.

The thief was being arrested by the police.
Ans

1. The police was arresting the thief.
2. The police has arrested the thief.
3. The police arrested the thief.
$>$
4. The police had arrested the thief.
Q. 13 Select one word for the following group of words.

A period of ten years
Ans
入 1. Fortnight
2. Decade

7
3. Century4. Millennium
Q. 14 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Nevertheless, sound health, economic security and mental satisfaction are desired by all
B. A change that is conducive to happiness may be termed as progress.
C. But different people find happiness in different things.
D. So, If a change contributes to the growth of these factors, it is progress.

Ans
<1. DBCA

- 2. BCAD
$\$$

3. BDCA4. $A B C D$
Q. 15 Select the most appropriate meaning of the given idiom

A snake in the grass
Ans

1. Difficult to find
< 2. A well-wisher3. A good friend4. A secret enemy
Q. 16 Select the wrongly spelt word.

Ans1. Elegant2. Flashy
3. Practicle
$\$$
4. Flexible
Q. 17 Select one word for the following group of words.

One who leaves his own country to settle in another
Ans
< 1. Foreigner2. Native
$\checkmark$
3. Emigrant4. Tourist
Q. 18 Select the wrongly spelt word.

Ans1. Persuasion2. Ostentasion

7
3. Mansion4. Extension
Q. 19 In the sentence identify the segment which contains the grammatical error.

The Prime Minister, along with the other ministers have left for America.
Ans
入1. for America

- 2. have left

3. The Prime Minister along with
4. the other ministers
Q. 20 Select the synonym of the given word.

PENITENCE
Ans1. Admiration2. Misery3. Patience4. Repentance
Q. 21 Select the antonym of the given word.

VICIOUS
Ans

1. Baneful
< 2. Sinful
$\times$
2. Unfortunate
3. Virtuous
Q. 22 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Can I borrow your camera?
B. I will give it back to you next week.
C. I am going to jungle safari tomorrow.
D. My friend told me that jungle is beautiful in these days.

Ans
<1.CADB2. $C D A B$3. $A D B C$
4. BACD
Q. 23 Select the most appropriate word to fill in the blank.

He $\qquad$ a heinous crime.

Ans 1. happened
< 2. occurred3. made
4. committed
Q. 24 Select the most appropriate meaning of the given idiom

On shank's mare
Ans
<1. On a lion2. On an elephant3. On foot4. On a bicycle
Q. 25 Select the most appropriate segment to substitute the underlined segment of the given sentence. If no substitution is required select 'No improvement'

A man in need pleaded for help.
Ans

1. No improvement
2. promised for help
3. commanded to help
4. requested for helping

Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | ON Digital Zone iDZ Tatisilwai |
| Exam Date | 03/03/2020 |
| Exam Time | 4:00 PM - 5:00 PM |
| Subject | CGLE Tier I |

Section : General Intelligence and Reasoning
Q. 1 Select the letter-cluster that can replace the question mark (?) in the following series.

KQG, JTK, HXO, ECS, ?
Ans
X 1. BIV

- 2. AIW

X 3. AHW
X 4. BIX
Q. 2 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

< 2

$>3$.

Q. 3 Select the correct mirror image of the given alphanumeric-cluster when a mirror is placed on the right side of the cluster.

## 5 G 7 N PQ4

Ans
$\times$ -


-•○૧ИГ こ ट
Q. 4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 28 | 30 | 36 |
| :--- | :--- | :--- |
| 36 | 32 | 18 |
| 252 | 240 | $?$ |

Ans
$\times 1.268$
$\times 2.166$
X 3.164

- 4.162
Q. 5 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
$X$ 1. Peace
$X$ 2. Non-violence
X 3. Truth
4. Hatred
Q. 6 Select the figure that can replace the question mark (?) in the following series.


Ans

$\times 2$.

Q. 7 Which of the following Venn diagrams best represents the relationship between the following classes?

Police Officers, Mothers, Females
Ans


- 2. 


$\times 3$.

$\times 4$.

Q. 8 Select the option that is related to the third number in the same way as the second number is related to the first number.

7 : 329 :: 9 : ?
Ans
$\times 1.1029$
$\times 2.728$

- 3.711
$\times 4.743$
Q. 9 The total of the ages of Amit and Suvarna on 1 January 2015 is 61 years. Amit is three years younger than Suvarna. What was the age of Survarna on 1 January 2010?
Ans
-1. 27 years
$\times$ 2. 24 years
X 3. 29 years
X4.32 years
Q. 10 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
X 1. 35:1221
X2. $21: 437$
3. $11: 118$

X4. $33: 1085$
Q. 11 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
X 1. BGLQ
$X$ 2. OTYD
$X$ 3. KPUZ

- 4. HMRV
Q. 12 Select the option in which the given figure X is embedded (rotation is not allowed).


Figure $\mathbf{X}$
Ans

Q. 13 Select the option in which the words share the same relationship as that shared by the given pair of words.

Calendar: Date
Ans
$X$ 1. Class : Group
$X$ 2. Weight : Kilogram
$X$ 3. Food: Vegetarian

- 4. Clock : Time
Q. 14 In a certain code language, 'SERVANT' is coded as '192182211420'. How will 'MAGNIFY' be coded as in that language?

Ans
X 1. 1426693625
X 2. 1316143522

- 3. 1317143625

X4. 1417139625
Q. 15 How many triangles are there in the given figure?


Ans
X1. 24
X 2.18

- 3.20
$\times 4.22$
Q. 16 Select the letter that can replace the question mark (?) in the following series.

O, B, L, C, I, D, F, E, ?
Ans
X 1. K

- 2. C

X 3. H
X4. N
Q. 17 'Beverages' is related to 'Tea' in the same way as 'Medicine' is related to ' $\qquad$ ,

Ans
X

1. Doctor

X 2. Hospital
3. Analgesics

X4. Disease
Q. 18 Select the number that can replace the question mark (?) in the following series.
$87,89,92,97,104,115, ?, 145$
Ans
$\times 1.125$

- 2. 128

X 3.133
$\times 4.132$
Q. 19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All prizes are medals.
2. Some prizes are certificates.

Conclusions:
I. Some certificates are prizes.
II. Some medals are prizes.
III. Some certificates are medals.

Ans
$X$ 1. Only conclusions I and III follow.
$X$ 2. Only conclusions II and III follow.

- 3. All conclusions I, II and III follow.
$X$ 4. Only conclusions I and II follow.
Q. 20 In a certain code language, 'DEPEND' is written as 'EPHTJJ'. How will 'TRAVEL' be written as in that language?

Ans
X 1. MGWEWY
$X$ 2. NGYFWZ

- 3. MGYEWZ

X 4. MGZEXZ
Q. 21 Select the option in which the numbers are related in the same way as are the numbers in the given set. $(11,165,209)$

Ans
X $1 .(14,210,276)$
X 2. $(17,245,323)$

- 3. $(12,180,228)$

X4. $(15,225,275)$
Q. 22 Which two signs and two numbers should be interchanged to make the given equation correct?

$$
17+11-12 \times 36 \div 6=80
$$

Ans
$\times 1 . \times$ and $-; 17$ and 11
$\times 2 .+$ and $-; 6$ and 12

- $3 . \times$ and $-; 6$ and 12
$\times 4 . \times$ and $-; 17$ and 12
Q. 23 Select the dices that can be formed by folding the given sheet along the lines.


Ans
X 1. Only B, C and D

- 2. Only B and C
$X$ 3. Only B and D
X 4. Only A and B
Q. 24 If the following words are arranged as per their order in the English dictionary which of the following words will come third in the sequence?

1. Isomer
2. Isoline
3. Isotope
4. Isotope
5. Isolate
6. Isonomy

Ans

- 1. Isologs
$X$ 2. Isoline
$X$ 3. Isolate
$X 4$. Isomer
Q. $25 \mathrm{~A}+\mathrm{B}$ means ' A is the father of B ';
$\mathrm{A}-\mathrm{B}$ means ' A is the sister of B ';
$A \times B$ means ' $A$ is the brother of $B$ ';
$A \div B$ means ' $A$ is the mother of $B$ '.
If, $\mathrm{U}+\mathrm{H} \times \mathrm{L}-\mathrm{Q} \div \mathrm{R}-\mathrm{Y}$, then how is L related to Y ?
Ans
$X$ 1. Mother's brother
- 2. Mother's sister
$X$ 3. Sister
X 4. Maternal grandmother

Section : General Awareness
Q. 1 The last recognised king of the Gupta line was $\qquad$ -.

Ans
(1. Samudragupta
>
2. Bimbisara3. Ashoka

- 4. Vishnugupta
Q. 2 In $\qquad$ economies, all productive resources are owned and controlled by the government.
Ans
X 1. dual
v 2. socialist
<3. mixed

4. capitalist
Q. 3 The birth anniversary of $\qquad$ is celebrated as 'International Nurses Day' every year.
Ans
5. Florence Nightingale

X 2. Alice Walker
X 3. Clara Barton
X 4. Mother Teresa
Q. 4 The city of $\qquad$ is located at the mouth of the Yangtze River.
Ans
<1. Beijing2. Guangzhou
3. Shanghai

3
4. Lhasa
Q. 5 As of December 2019, $\qquad$ was the largest crude oil supplier to India.
Ans

- 1. Iraq

2 2. Saudi Arabia
Х 3. United Arab Emirates
>4. Iran
Q. 6 Who among the following publishes the Economic Survey of India?

Ans
Х 1. National Development Council

- 2. Ministry of Finance

3. Institute of finance
4. Indian Statistical Institute
Q. 7 Name the Indian elected to the International Narcotics Control Board by the UN Economic and Social Council on 23 April 2014 and re-elected by the Council for a 5year term (2020-2025) on 7 May 2019.

Ans
X 1. Sudhir Rajkumar

- 2. Jagjit Pavadia

X 3. Syed Akbaruddin
X4. Yasmin Ali Haque
Q. 8 In October 2019, was appointed as the secretary of the Board of Control for Cricket in India ( $\overline{\mathrm{BCCI}) \text {. }}$
Ans

- 1. Brijesh Patel
< 2. Sourav Ganguly3. Jay Shah4. Jayesh George
Q. 91 horsepower = approximately $\qquad$ watts.
Ans

X
2. 764
< 3.6474. 674
Q. 10 Which of the following countries is NOT a member of the SAARC Association?

Ans

1. Pakistan
< 2. Nepal

- 3. China

入4.
4. Bhutan
Q. 11 The process of coating grooves or engravings in ornaments with coloured enamels is called $\qquad$ .
Ans

1. Phulkari
$\$$
2. Zardozi3. Chikankari4. Meenakari
Q. 12 Who was the first Indian to receive the International Shooting Sport Federation (ISSF) Blue Cross?

Ans
<1. Ronjan Sodhi2. Vijay Kumar

X 3. Gagan Narang
4. Abhinav Bindra
Q. 13 Which of the following is NOT a part of the brain?

Ans
X1. Medulla
Х 2. Thalamus
<3. Pons4. Pinna
Q. 14 As of January 2020, which of the following countries had NOT independently launched a human into space?

Ans

- 1. India

X2. USA
Х 3. Russia
X4. China
Q. 15 The first ruler of Magadha from the Haryanka dynasty was $\qquad$ -.

Ans
<1. Ashoka2. Prasenajit3. Bimbisara
4. Ajatshatru
Q. 16 The $\qquad$ helps in equalising the pressure on either sides of the eardrum.
Ans

1. cochlear nerve
< 2. malleus
$\checkmark$
2. eustachian tube4. incus
Q. 17 Calcium sulphate dihydrate is commonly known as $\qquad$ .
Ans
3. gypsum
< 2. glass
$>$
4. asbestos4. limestone
Q. 18 Who among the following was a famous 'Qawwali' singer?

Ans1. Nazia Hassan

Х 2. Begum Akhtar3. Nusrat Fateh Ali Khan

X4. Bade Ghulam Ali Khan
Q. 19 $\qquad$ became the Prime Minister of Bhutan in November 2018.
Ans
v 1. Lyonchhen Lotay Tshering
Х 2. Lyonchhen Jigme Thinley
X 3. Lyonpo Sonam Tobgye
入 4. Lyonpo Sangay Ngedup
Q. 20 $\qquad$ the world's highest polo ground, is located in Pakistan.
Ans
X 1. Kasur
2. Attock

- 3. Shandur
(4.Okara
Q. 21 'Kiribath' is a rice dish from $\qquad$ .

Ans
X

1. Myanmar2. Bhutan
2. Nepal
3. Sri Lanka
Q. 22 The Gupta rulers imposed a fine called $\qquad$ which was a plough tax paid by every cultivator owning a plough.
Ans
(1. Hiranya
< 2. Sulka

- 3. Halivakara4. Kara
Q. 23 $\qquad$ is the largest city in Sri Lanka.
Ans. Colombo
$>2$

2. Negombo
< 3. Kandy
$\$$
3. Jaffna
Q. 24 Hiuen Tsang, hailed as the prince of pilgrims, visited India during the reign of king

Ans

1. Ashoka
2. Vishnugupta

X 3. Samudragupta
4. Harsha
Q. 25 Lucifer is another name for the planet $\qquad$ .
Ans
X 1. Jupiter2. Saturn3. Venus

X4. Mars

## Section : Quantitative Aptitude

Q. 1 The average of five consecutive even numbers is $M$. If the next five even numbers are also included, the average of ten numbers will be:
Ans

- 1. $\mathrm{M}+5$
$\times 2.11$
$\times 3.10$
X 4. M+10
Q. 2 The value of $-\frac{5}{2}+\frac{3}{2} \div 6 \times \frac{1}{2}$ is equal to:

Ans
$\times 1 .-\frac{1}{3}$
X2. $-\frac{1}{12}$
ง. $3 .-\frac{19}{8}$
र4. $-\frac{9}{8}$
Q. $3 \quad(a+b-c+d)^{2}-(a-b+c-d)^{2}=?$

Ans

1. $4 a(b+d-c)$

X2. $2 a(a+b-c)$
X 3. $2 a(b+c-d)$
X4. $4 a(b-d+c)$
Q. 4 If $2 \sin \theta-8 \cos ^{2} \theta+5=0,0^{\circ}<\theta<90^{\circ}$, then what is the value of $(\tan 2 \theta+\operatorname{cosec} 2 \theta)$ ?

Ans
X1. $3 \sqrt{3}$
-2. $\frac{4 \sqrt{3}}{3}$
X ${ }^{3} 2 \sqrt{3}$
จ $4 . \frac{5 \sqrt{3}}{3}$
Q. 5 Two racers run at a speed of $100 \mathrm{~m} / \mathrm{min}$ and $120 \mathrm{~m} / \mathrm{min}$, respectively. If the second racer takes 10 minutes less than the first to complete the run, then how long is the race?
Ans
X1. 2 km
X 2. 4 km

- 3. 6 km

X 4.1 km
Q. 6 The table below shows income (in rupees) for a particular month, together with their sources in respect of 5 employees A, B, C, D, and E.

| Employee | A | B | C | D | E |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Salary | 52,000 | 48,500 | 42,000 | 31,000 | 25,000 |
| Overtime | 0 | 0 | 1,500 | 2,500 | 3,200 |
| Arrears | 5,500 | 4,500 | 4,000 | 3,000 | 1,500 |
| Bonus | 3,500 | 3,000 | 2,500 | 2,000 | 2,000 |
| Miscellaneous income | 5,000 | 3,000 | 2,000 | 1,500 | 0 |
| Total | 66,000 | 59,000 | 52,000 | 40,000 | 31,700 |

How many employees have their salary more than four times their other incomes?
Ans
X1.3
2. 2
$\times 3.1$
$\times 4.4$
Q. 7 As per data in the table, what is the percentage of students who got 20 or more marks?

| Scores | $0-5$ | $5-10$ | $10-15$ | $15-20$ | $20-25$ | $25-30$ | $30-35$ | $35-40$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| No. of students | 13 | 15 | 18 | 12 | 14 | 19 | 6 | 3 |

Ans
X 1.14\%
X 2. $58 \%$
X 3. $54 \%$

- $4.42 \%$
Q. 8 tan $30^{\circ}+\tan 60^{\circ}$

The value of $\frac{\tan 30^{\circ}+\tan 60^{\circ}}{\cos 30^{\circ}}$ is:
Ans
X $1.1+\sqrt{3}$
⒉ $\frac{8}{\sqrt{3}}$

- $3 . \frac{8}{3}$

X 4. $\sqrt{3}+3$
Q. 9 In the figure, what is the value of $\cot \theta$ ?


Ans
$\times 1 \cdot \frac{17}{18}$

- 2. $\frac{15}{17}$
- $3 . \frac{15}{8}$

X4. $\frac{8}{15}$
Q. 10 A can finish a work in 20 days and B can finish the same work in 25 days. They began together, but B left the work after 5 days. How many more days will A take to finish the remaining work?
Ans

- 1.11
$\times 2.8$
$\times 3.16$
$\times 4.21$
Q. 11 The curved surface area of a hemisphere with radius 7 cm is:
(Take $\pi=\frac{22}{7}$ )
Ans
$X 1.616 \mathrm{~cm}^{2}$
X2. $385 \mathrm{~cm}^{2}$
X 3. $462 \mathrm{~cm}^{2}$
- 4. $308 \mathrm{~cm}^{2}$
Q. 12

The value of $\frac{36 \div 42 \text { of } 6 \times 7+24 \times 6 \div 18+3 \div(2-6)-(4+3 \times 2) \div 8}{21 \div 3 \text { of } 7}$ is:
Ans
-1. 7
$\times 2.7 \frac{1}{2}$
X $3.8 \frac{1}{2}$
$X_{4}$
$\frac{1}{7}$
Q. 13 From the following table, how many patients were in the age group 40-60?

| Age (years) | less <br> than 10 | less <br> than 20 | less <br> than 30 | less <br> than 40 | less <br> than 50 | less <br> than 60 | less <br> than 70 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| No. of patients | 11 | 15 | 22 | 29 | 35 | 45 | 50 |

Ans
X1. 45
X2. 29
$\times 3.6$

- 4.16
Q. 14 The number of students enrolled in different faculties in a school is as follows:

| Science |  | Arts |  | Commerce |  | Vocational |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls |
| 35 | 18 | 25 | 47 | 45 | 40 | 10 | 30 |

The percentage of students studying in Science or Vocational subjects is:
Ans
X1.93\%
X2. $50 \%$

- 3. $37.2 \%$

X4. $25 \%$
Q. 15 In $\triangle \mathrm{ABC}$, if $\mathrm{AB}=\mathrm{AC}$ and $\angle B A C=40^{\circ}$, then the measure of $\angle B$ is:

Ans
$\times 1.60^{\circ}$
$\times 2.40^{\circ}$

- 3. $70^{\circ}$
$\times 4.50^{\circ}$
Q. 16 What should replace * in the number $94 * 2357$, so that number is divisible by 11 ?

Ans
$X 1.1$
$\times 2.7$
$\times 3.8$

- 4.3
Q. 17 Two numbers are in the ratio $5: 7$. If the first number is 20 , then the second number will be:

Ans
X1. 8
X2. 22

- 3. 28

X
4. 18
Q. 18 If the difference between $62 \%$ and $80 \%$ of a number is 198 , then the difference between $92 \%$ and $56 \%$ of the number will be:
Ans
X 1.1100
X 2. 3564

- 3. 396
$\times 4.360$
Q. 19 In the given figure, AP bisects $\angle B A C$. If $\mathrm{AB}=4 \mathrm{~cm}, \mathrm{AC}=6 \mathrm{~cm}$ and $\mathrm{BP}=3 \mathrm{~cm}$, then the length of CP is:


Ans
$X 1.3 \mathrm{~cm}$
$\times 2.7 \mathrm{~cm}$
X 3.5 cm

- 4.4 .5 cm
Q. 20 A dealer sold 6 sewing machines for $₹ 63,000$ with a profit of $5 \%$. For how much should he sell 8 machines if he intends to earn $15 \%$ profit?

Ans
X 1. ₹ 88,200
X 2. ₹ 69,300

- 3. ₹ 92,000

X4. ₹ 92,400
Q. 21 In the given figure, AP and BP are tangents to a circle with centre O . If $\angle A P B=62^{\circ}$ then the measure of $\angle A Q B$ is:


Ans
$\times 1.28^{\circ}$
$\times 2.118^{\circ}$
$\times 3.31^{\circ}$
4. $59^{\circ}$
Q. 22 The value of $27 a^{3}-2 \sqrt{2} b^{3}$ is equal to:

Ans
X1. $(3 a-\sqrt{2} b)\left(9 a^{2}-2 b^{2}+6 \sqrt{2} a b\right)$
X2. $(3 a-\sqrt{2} b)\left(9 a^{2}+2 b^{2}+6 \sqrt{2} a b\right)$
3. $(3 a-\sqrt{2} b)\left(9 a^{2}+2 b^{2}+3 \sqrt{2} a b\right)$

X4. $(3 a-\sqrt{2} b)\left(9 a^{2}-2 b^{2}-3 \sqrt{2} a b\right)$
Q. 23 In a circle with radius 5 cm , a chord is at a distance of 3 cm from the centre. The length of the chord is:

Ans
$X 1.3 \mathrm{~cm}$
$\times 2.7 \mathrm{~cm}$

- 3.8 cm

X 4.4 cm
Q. 24 A person marked his goods at a price that would give him $40 \%$ profit. But he declared a sale and allowed $20 \%$ discount on the marked price. What is the profit percentage of the person in the whole transaction?

Ans

- 1. $12 \%$

X 2. $32 \%$
$\times 3.30 \%$
X4. $20 \%$
Q. 25 The simple interest on a certain sum at the end of three years at $5 \%$ p.a. is $₹ 1,200$. The compound interest on the same sum for the same period at the same rate is (interest compounded yearly):
Ans
X 1 . ₹ 1,800

- 2. ₹ 1,261

X 3. ₹ 820
X 4. ₹ 1,260

Section : English Comprehension
Q. 1 Select the INCORRECTLY spelt word.

Ans

- 1. Patrner
< 2. Piteous
X 3. Pierce
X4. Pursue
Q. 2 In the sentence identify the segment which contains the grammatical error.

Deepa walked down the road slowly without looking anybody.
Ans
入1. down the road
2. slowly without
$\checkmark$
3. looking anybody
<4. Deepa walked

## Q. 3 Select the INCORRECTLY spelt word.

Ans
<1. Negligible

- 2. Negociate
< 3. Necessary4. Nuisance
Q. 4 Select the option that expresses the given sentence in reported speech.

She said to me," What time is your flight tomorrow?"
Ans

1. She asked me what time is my flight the next day.
2. She asked me what time my flight will be the next day.3. She asked me what time my flight was the following day.4. She asked me that what time was my flight tomorrow.
Q. 5 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

My shoes were worn out so I had to buy a new one.
Ans $\quad$ 1. a new ones

- 2. new ones

X 3. No improvement
4. the new one's
Q. 6 Select the most appropriate meaning of the given idiom.

Blow one's own trumpet
Ans
<1. Follow others
2. Praise oneself

X 3. Condemn others4. Be self-reliant

## Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) $\qquad$ not, the first recorded watermelon harvest (2) $\qquad$ nearly 5000 years ago in Egypt and is
(3) $\qquad$ in Egyptian hieroglyphics on the walls of their (4) $\qquad$ buildings. This fruit was often placed (5) $\qquad$ the burial tombs of kings to provide nourishment in the afterlife.

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank 1.

Ans
<1. but

- 2. or

73. and
>4.if

## Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) $\qquad$ not, the first recorded watermelon harvest (2) $\qquad$ nearly 5000 years ago in Egypt and is
(3) $\qquad$ in Egyptian hieroglyphics on the walls of their (4) $\qquad$ buildings. This fruit was often placed ( $\qquad$ the burial tombs of kings to provide nourishment in the afterlife.

SubQuestion No: 8
Q. 8 Select the most appropriate option to fill in blank 2.

Ans
< 1. contained2. produced
<3. discovered
4. occurred

## Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) $\qquad$ not, the first recorded watermelon harvest (2) $\qquad$ nearly 5000 years ago in Egypt and is (3) $\qquad$ in Egyptian hieroglyphics on the walls of their (4) $\qquad$ buildings. This fruit was often placed (5) $\qquad$ the burial tombs of kings to provide nourishment in the afterlife.

SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank 3.

Ans
< 2. diverted
( 3. distributed
4 4. directed

## Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) $\qquad$ not, the first recorded watermelon harvest (2) $\qquad$ nearly 5000 years ago in Egypt and is
(3) $\qquad$ in Egyptian hieroglyphics on the walls of their (4) $\qquad$ buildings. This fruit was often placed $\qquad$ the burial tombs of kings to provide nourishment in the afterlife.

SubQuestion No: 10
Q. 10 Select the most appropriate option to fill in blank 4.

Ans
<1. obsolete2. outdated
3. ancient
(4. elderly

## Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) $\qquad$ not,
the first recorded watermelon harvest (2) $\qquad$ nearly 5000 years ago in Egypt and is
(3) $\qquad$ in Egyptian hieroglyphics on the walls of their (4) $\qquad$ buildings. This fruit was often placed (5) $\qquad$ the burial tombs of kings to provide nourishment in the afterlife.

SubQuestion No: 11
Q. 11 Select the most appropriate option to fill in blank 5.

Ans
入1. along2. with

- 3 . in

X 4. after
Q. 12 Select the most appropriate one word substitution for the given group of words.

A place where clothes are kept
Ans
<1. Coffin
2. Wardrobe
3. Hangar4. Shaft
Q. 13 In the sentence identify the segment which contains the grammatical error.

Everything that I like to eat are fattening.
Ans

1. Everything that

X2. I like

* 3. are fattening4. to eat
Q. 14 Select the most appropriate antonym of the given word.

VIGILANT
Ans

1. Wary

- 2. Rash

Х 3. Alert
>4. Cautious
Q. 15 Select the most appropriate antonym of the given word.

FLEXIBLE
Ans
X 1. Supple

- 2. Stiff

Х 3. Stale
< 4. Soft
Q. 16 Select the most appropriate option to fill in the blank.

The government has warned the traders not to $\qquad$ onions.
Ans
v 1. hoard
X 2. combine
<3. gross4. bulk
Q. 17 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

He sing always when he is having a shower.
Ans

1. He always sings
2. He always sing

X 3. No improvement4. Always he is singing
Q. 18 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. He then called out to the people but by then only a red glow was visible in the sky.
B. At first, he thought it was a stuck kite.
C. Bheema was visiting his fields when he spotted a rising disc shaped object.
D. But when it started rising higher and emitted light, he was shocked.

Ans
<1. BACD
$>$
2. BDAC

X
3. $C D A B$4. CBDA
Q. 19 Select the most appropriate synonym of the given word.

IMPLORE
Ans
X 1. Command
< 2. Honour
3. Plead
(4. Refuse
Q. 20 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It requires physical endurance, which can be built with training and exercise.
B. Truly strong personalities meet challenges of life bravely and face hardships with equanimity.
C. However, strength of character is a personality trait or a quality.
D. Physical strength is the ability to cope with a physically challenging task.

Ans
<1. CBAD
< 2. BACD

- 3. DACB
<4. DBCA
Q. 21 Select the most appropriate option to fill in the blank.

The students went to their $\qquad$ classes after the morning assembly.
Ans
X 1. respected
2. respective

Х 3. respectable4. respectful
Q. 22 Select the option that expresses the given sentence in passive voice.

Martin drew a picture of the snow-capped mountains.
Ans

1. A picture of the snow-capped mountains has been drawn by Martin.

- 2. A picture of the snow-capped mountains was drawn by Martin.

3. A picture of the snow-capped mountains is drawn by Martin.

Х 4. A picture of the snow-capped mountains is being drawn by Martin.
Q. 23 Select the most appropriate meaning of the given idiom.

Spill the beans
Ans
< 1. Perform magic2. Work hard

X 3. Waste money

- 4. Give away a secret
Q. 24 Select the most appropriate one word substitution for the given group of words.

A person very reserved in speech
Ans
<1. Confident
2. Reticent
( 3. Eloquent4. Adamant
Q. 25 Select the most appropriate synonym of the given word.

GLORIOUS
Ans

- 1. splendid

X2. unusual
X 3. enormous
<4. gentle

Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number |  |
| :--- | :--- |
|  |  |
| Venue Name | iON Digital Zone iDZ 2 Chinamushidiwada |
| Exam Date | 04/03/2020 |
| Exam Time | 10:00 AM - 11:00 AM |
| Subject | CGLE Tier I |

## Section: General Intelligence and Reasoning

Q. 1 The given Venn diagram represents artists in a circus:

The triangle represents clowns, the circle represents acrobats, the rectangle represents males and the square represents ringmasters. The numbers given in the diagram represent the number of persons in that particular category.


How many male clowns are also ringmasters, but NOT acrobats?
Ans

1. 17
$\times 2.15$
$\times 3.11$
$\times 4.5$
Q. 2 Arsh is Shivam's father and Dhruv is the son of Bimla. Eshwar is the father of Arsh. If Shivam is the brother of Dhruv, how is Bimla related to Eshwar?
Ans
. Daughter-in-law
$X$ 2. Mother
$X$ 3. Wife
X 4. Sister-in-law
Q. 3 Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.
_swws_wwws_swwww_sss
Ans
X ${ }_{1}$ w, s, s, w

- 2. w, s, s, s

X 3. w, s, w, s
X4. w, w, s, s
Q. 4 How many triangles are present in the given figure?


Ans
X1. 26
$\times 2.28$
-3. 22
$\times 4.30$
Q. 5 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 6 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 7 Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter-cluster.
Ans
$X$ 1. TSR
$X$ 2. YXW
$X$ 3. NML
4. FGH
Q. 8 Arrange the following words in the order in which they appear in an English dictionary.

1. Gemlike
2. Geminate
3. Gemmier
4. Geminal
5. Gemini

Ans
X1. $3,5,4,1,2$
X2. $4,5,2,1,3$
X 3.4,3,2,1,5

- 4. $4,2,5,1,3$
Q. 9 In a certain code language, STRAIGHT is written as TSARGITH. How will THURSDAY be written as in that language?

Ans
X 1. UHTDRSYA
X 2. AYSDURTH

- 3. HTRUDSYA

X 4. HTRUDSAY
Q. 10 Select the correct combination of mathematical signs to sequentially replace the * signs, to balance the following equation.
$(12 * 7 * 6) * 13 * 6$
Ans
< ${ }_{1 .} \div,-,=, \times$
(2. $\times,=\div,-$
<3. $-\div, \times,=$

- 4. $\times,-, \div,=$
Q. 11 Four words have been given, out of which three are alike in some manner, while one is different. Select the odd word.

Ans
X 1. Probity

- 2. Conduct

X 3. Righteousness
X 4. Virtue
Q. 12 Select the option in which the numbers are related in the same way as are the numbers in the given set.
$(109,114,139)$
Ans
X 1. $(268,302,237)$

- 2. $(313,318,343)$

X 3. $(579,534,549)$
X4. $(419,424,439)$
Q. 13 Select the option in which the words share the same relationship as that shared by the given pair of words. Hive : Bee

Ans

- 1. Burrow : Hare

X 2. Stable: Cow
X 3. Sty: Dog
X 4. Eyrie : Bear
Q. 14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)
from the statements.
Statements:

1. Some cars are rockets.
2. All rockets are engines.

Conclusions:
I. Some engines are rockets
II. Some engines are cars.

Ans
X 1. Only conclusion II follows.
X 2. Neither conclusion I nor II follows.
$X$ 3. Only conclusion I follows.

- 4. Both conclusions I and II follow.
Q. 15 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number
$52: 221:: 20: ?:: 64: 272$
Ans

1. 85
$\times 2.84$
$\times 3.255$
$\times 4.170$
Q. 16 Select the option figure in which the given figure is embedded (rotation is NOT allowed).


Ans

Q. 17 Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?
\#PaV\$ArK@
Ans
× 1. \#b9/2HKK(0)



Q. 18 Select the option that is related to the third word in the same way as the second word is related to the first word. Jackal : Howl :: Rain : ?

Ans
$X$ 1. Hustle
$X$ 2. Thunder
X 3. Drops

- 4. Patter
Q. 19 Which two signs should be interchanged to make the given equation correct?
$225+5 \times 3 \div 5-7=133$
Ans
X 1 - and $\div$
$\times 2 .+$ and $\times$

3.     + and $\div$

X4. - and $\times$
Q. 20 Select the box that CANNOT be formed by folding the given unfolded box.


Ans

$\times 2$

Q. 21 A recent survey of married couples in Indian metro cities showed that $20 \%$ of the couples have only one child, $45 \%$ of the remaining couples have two children, and the rest of the couples have three or more children. What is the percentage of couples with three or more children?

Ans
X 1. 56\%

- 2. $44 \%$

X 3. $35 \%$
X 4. $42 \%$
Q. 22 In a certain code language, LARVAE is coded as 15-1-9-5-1-2. How will INSECT be coded as in that language?

Ans
X 1. 18-13-8-2-24-7
X 2. 9-13-8-22-24-7
3. 3-13-8-2-24-7

X 4. 3-13-8-2-24-8
Q. 23 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 7 | 11 | 14 |
| :--- | :--- | :--- |
| 53 | 127 | $?$ |
| 4 | 6 | 3 |

Ans
X 1.196
$\times 2.200$
$\times 3.169$

- 4.199
Q. 24 Select the number that can replace the question mark (?) in the following series.
$17,20,15,22,13$,?
Ans
$\times 1.4$
$\times 2.2$
X 3.22

4. 24
Q. 25 Select the letter-cluster that can replace the question mark (?) in the following series.

DAC, GWH, JSM, MOR, ?
Ans

- 1. PKW

X 2. PJV
X 3. QKV
X4. QJW
Q. 1 King Harshavardhana ascended the throne of Thaneshwar and Kannauj on the death of his brother, $\qquad$
Ans
X 1. Indravardhana
2 2. Suryavardhana

- 3. Rajyavardhana

4. Chandravardhana
Q. 2 Which of the following is NOT a folk dance belonging to the union territory of Jammu and Kashmir?

Ans
X1. Dhumal
(2. Hafiza

Х 3 . Rouf

- 4. Dangi
Q. 3 Private ownership of the means of production is a feature of a $\qquad$ economy.
Ans
- 1. capitalist

2. socialist

X3.mixed
(4. dual
Q. 4 The Gol Gumbad (Gumbaz) of $\qquad$ is the mausoleum of Muhammad Adil Shah.
Ans

1. Allahabad
2. Agra

- 3. Bijapur

X4. Delhi

## Q. 5 Who was the President of the World Bank Group as of January, 2020?

Ans

- 1. David Malpass

X 2. Robert Zoellick
X 3. Jim Yong Kim
X4. Paul Wolfowitz

## Q. 6 The 14th Dalai Lama resides in

$\qquad$ _.
Ans
Х 1. Gangtok2. Dharamsala

X 3. Kalimpong
<4. Shillong
Q. 7 Who among the following is an Indian Olympic archer and Padma Shri winner?

Ans
X 1. Kidambi Srikanth
X 2. Bajrang Punia
X 3. Balbir Singh Dosanjh

- 4. Limba Ram
Q. 8 The Biraja Temple, the Rajarani Temple and the Samaleswari Temple are all located in

Ans


X 2. Tamil Nadu
X 3. Assam
X4. Kerala
Q. 9

## _ expansion makes the Eiffel Tower taller during summers.

Ans

- 1. Thermal

X 2. Gradient
③. Gravitational
<4. Chemical
Q. 10 The major component of modern Olympic gold medals is $\qquad$ _.

Ans
X 1. Bronze
< 2. Gold

- 3. Silver
\$4. Copper
Q. 11 The $\qquad$ lake in Gujarat was an artificial reservoir built during the rule of the Mauryas.
Ans
< 1. Lonar
< 2. Loktak
- 3. Sudarshana

X 4. Pushkar
Q. 12 Article 17 of the Constitution of India deals with the abolition of $\qquad$ -

Ans
< 1. sati

- 2. untouchability

入 3. titles
(4. slavery
Q. 13 $\qquad$ was the capital of Magadha before the 4th century BCE.

Ans

- 1. Rajagaha

X 2. Pataliputra
X 3. Varanasi
(4. Mathura
Q. 14 Xerophthalmia is caused due to the deficiency of vitamin $\qquad$ _.

Ans
X 1. С
<2. K
<3.D

- 4 . A
Q. 15 Planetary scientists call the thin gaseous envelope around the Moon as the $\qquad$ .

Ans

- 1. Iunar exosphere

2. lunar stratosphere
3. lunar thermosphere

Х 4. lunar endosphere
Q. 16 In May 2019, the International Monetary Fund agreed to bail out $\qquad$ with a fund of \$6 billion.

Ans
X 1. Nepal
$\checkmark 2$
2. Pakistan
<3. India
K4. Bangladesh
Q. 17 The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, $\qquad$
Ans

1. Dandin

Х 2 . Kamban
3. Banabhatta
(4. Jinsena
Q. 18 The Vedic Civilisation in India flourished along the river

Ans
X 1. Narmada
v 2. Saraswati
Х 3 . Tap
X4. Godavari
Q. 19 Which Article of the Indian Constitution prohibits discrimination on the grounds of religion, race, caste, sex and place of birth?

Ans
1 1. Article 232. Article 25

X 3. Article 19

- 4. Article 15
Q. 20 Lt. General $\qquad$ took charge as the Chief of Army Staff on 31 December 2019.

Ans
Х 1. Ravendra Pal Singh
2. Bipin Rawat3. Manoj Mukund Naravane
4. Anil Chauhan
Q. 21 According to the United Nations' World Economic Situation and Prospects Report, 2019, the Indian economy is expected to expand by $\qquad$ in 2020.
Ans2. $7.2 \%$3. $7.8 \%$
4. 7.1\%
Q. 22 In the 4th century BCE, the capital of Magadha was shifted to $\qquad$ _.
Ans
1 1. Mathura
X 2. Varanasi
-3. Panipat

- 4. Pataliputra
Q. 23 In biological terms, $\qquad$ is a relationship between two organisms in which one organism benefits and the other is unaffected.

Ans

1. Amensalism

X 2. Mutualism

- 3. Commensalism

4. Parasitism
Q. 24 In April 2019, scientists in $\qquad$ produced the world's first 3D printed heart using human tissue.

Ans
X 1. Ethiopia
2. Israel

X 3. Kenya
<4. Croatia

## Q. 25 Asia's largest wholesale spice market is located in

$\qquad$ —.

Ans $\chi$ 1. Kolkata
X 2. Bengaluru
X 3. Ahmedabad
4. Delhi

## Section : Quantitative Aptitude

Q. 1 The given table represents the number of computers sold by four dealers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D during the first six months of 2016. Study the table carefully and answer the question that follows.

| Dealer <br> Month $\downarrow$ <br>  |  |  | A | B |
| :--- | :--- | :--- | :--- | :--- |
| C | D |  |  |  |
| January | 102 | 92 | 95 | 107 |
| February | 94 | 96 | 104 | 106 |
| March | 85 | 94 | 100 | 90 |
| April | 108 | 97 | 99 | 96 |
| May | 98 | 102 | 100 | 89 |
| June | 95 | 108 | 102 | 91 |

The number of months, in which the number of computers sold by dealer B was less than the average number of computers sold by dealer C over six months, was:

Ans
X1. 52. 4
$\times 3.2$
$\times 4.3$
Q. 2 The average of twelve numbers is 45.5 . The average of the first four numbers is 41.5 and that of the next five numbers is 48. The $10^{\text {th }}$ number is 4 more than the $11^{\text {th }}$ number and 9 more than the $12^{\text {th }}$ number. What is the average of the $10^{\text {th }}$ and $12^{\text {th }}$ numbers?

Ans

1. 46.5
$\times 2.47 .8$
$\times 3.46$
$\times 4.47$
Q. 3 In $\triangle A B C, \angle A=90^{\circ}, \mathrm{M}$ is the midpoint of BC and D is a point on BC such that $\mathrm{AD} \perp \mathrm{BC}$. If $\mathrm{AB}=7 \mathrm{~cm}$ and $\mathrm{AC}=24 \mathrm{~cm}$, then $\mathrm{AD}: \mathrm{AM}$ is equal to:

Ans
X 1. 168:275
X 2. $24: 25$
X 3. $32: 43$
4. $336: 625$
Q. 4 The circumference of the base of a conical tent is 66 m . If the height of the tent is 36 m , what is the area (in $\mathrm{m}^{2}$ ) of the canvas used in making the tent? (Take $\pi=\frac{22}{7}$ )

Ans
X 1.1155

- 2. 1237.5

X 3. 1171.5
$\times 4.1254$
Q. 5 If $2 x+1, x+2,2$ and 5 are in proportion, then what is the mean proportional between $3.5(1-x)$ and $8(1+x)$ ?

Ans
$X 1.5 .5$
X2. 4.25

- 3. 5.25
$\times 4.4 .5$
Q. 6 A trader allows a discount of $18 \%$ on the marked price of an article. How much percentage above the cost price must he mark it so as to get a profit of $6.6 \%$ ?

Ans

- 1. 30
$\times 2.28$
$\times 3.25$
$\times 4.24$
Q. 7 When 732 is divided by a positive integer $x$, the remainder is 12 . How many values of $x$ are there?

Ans
X 1.19

- 2. 20
$\times 3.18$
$\times 4.16$
Q. 8 In $\triangle A B C, \angle B=68^{\circ}$ and $\angle C=32^{\circ}$. Sides AB and AC are produced to points D and E , respectively. The bisectors of $\angle D B C$ and $\angle B C E$ meet at F . What is the measure of $\angle B F C$ ?
Ans
$\times 1.55^{\circ}$
$\times 2.39^{\circ}$
- 3. $50^{\circ}$
$\times 4.65^{\circ}$
Q. 9 If $a+b+c=11, a b+b c+c a=3$ and $a b c=-135$, then what is the value of $a^{3}+b^{3}+c^{3}$ ?

Ans
X 1.823
$\times 2.929$
$\times 3.925$

- 4.827
Q. 10 If $5 x+\frac{1}{3 x}=4$, then what is the value of $9 x^{2}+\frac{1}{25 x^{2}}$ ?

Ans $X 1 \cdot \frac{174}{125}$
$X 2 \cdot \frac{144}{125}$

- 3. $\frac{114}{25}$

X4. $\frac{119}{25}$
Q. 11 The value of $\frac{7-[4+3(2-2 \times 2+5)-8] \div 5}{2 \div 2 \text { of }(4+4 \div 4 \text { of } 4)}$ is:

Ans $\times 1.26$
-2. $25 \frac{1}{2}$
入3. $8 \frac{1}{2}$
X4. 24
Q. 12 ABCD is a cyclic quadrilateral in which $\mathrm{AB}=16.5 \mathrm{~cm}, \mathrm{BC}=x \mathrm{~cm}, \mathrm{CD}=11 \mathrm{~cm}, \mathrm{AD}=19.8 \mathrm{~cm}$, and BD is bisected by AC at O . What is the value of $x$ ?
Ans
X 1.12 .4 cm
$\times 2.13 .8 \mathrm{~cm}$

- 3.13 .2 cm

X 4.12 .8 cm

Status : Not Answered
Q. 13 If $\sec \theta-\tan \theta=\frac{x}{y},(0<x<y)$ and $0^{\circ}<\theta<90^{\circ}$, then $\sin \theta$ is equal to:

Ans
X1. $\frac{x^{2}+y^{2}}{2 x y}$
X2. $\frac{2 x y}{x^{2}+y^{2}}$
-3. $\frac{y^{2}-x^{2}}{x^{2}+y^{2}}$
入4. $\frac{x^{2}+y^{2}}{y^{2}-x^{2}}$
Q. 14 If $5 \sin ^{2} \theta+14 \cos \theta=13,0^{\circ}<\theta<90^{\circ}$, then what is the value of $\frac{\sec \theta+\cot \theta}{\operatorname{cosec} \theta+\tan \theta}$ ?

Ans
Х1. $\frac{9}{8}$
-2. $\frac{31}{29}$
X3. $\frac{21}{28}$
<4. $\frac{32}{27}$
Q. 15 In $\triangle A B C, A B=A C$. A circle drawn through B touches AC at D and intersect AB at P . If D is the mid point of AC and $\mathrm{AP}=2.5 \mathrm{~cm}$, then AB is equal to:

Ans
X 1.9 cm
$\times 2.7 .5 \mathrm{~cm}$
X 3. 12.5 cm
4. 10 cm
Q. 16 The given table represents the number of computers sold by four dealers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D during the first six months of 2016. Study the table carefully and answer the question that follows.

| Dealer <br> Month $\downarrow$ |  |  | A | B |
| :--- | :--- | :--- | :--- | :--- |
|  | C | D |  |  |
| January | 102 | 92 | 95 | 107 |
| February | 94 | 96 | 104 | 106 |
| March | 85 | 94 | 100 | 90 |
| April | 108 | 97 | 99 | 96 |
| May | 98 | 102 | 100 | 89 |
| June | 95 | 108 | 102 | 91 |

What is the ratio of the total number of computers sold by dealer A in February, April and May to the total number of computers sold by dealer D in March, May and June?

Ans
X $1.15: 13$

- 2. $10: 9$

X 3. $20: 27$
X4.6:5
Q. 17 A can complete a certain work in 30 days. B is $25 \%$ more efficient than A and C is $20 \%$ more efficient than B. They all worked together for 3 days. $B$ alone will complete the remaining work in:

Ans
-1. 15 days
X 2. 12 days
X 3. 20 days
X4. 18 days
Q. 18 The value of $\frac{\tan 30^{\circ} \operatorname{cosec} 60^{\circ}+\tan 60^{\circ} \sec 30^{\circ}}{\sin ^{2} 30^{\circ}+4 \cot ^{2} 45^{\circ}-\sec ^{2} 60^{\circ}}$ is:

Ans
X $1 . \frac{2}{3}$

- 2. $\frac{32}{3}$

X $3 . \frac{8}{3}$
$\times 4 . \frac{32}{99}$
Q. 19 On simplification, $\frac{x^{3}-y^{3}}{x\left[(x+y)^{2}-3 x y\right]} \div \frac{y\left[(x-y)^{2}+3 x y\right]}{x^{3}+y^{3}} \times \frac{(x+y)^{2}-(x-y)^{2}}{x^{2}-y^{2}}$ is equal to:

Ans
-1. 4
$\times 2.1$
×3. $\frac{1}{2}$
×4. $\frac{1}{4}$
Q. 20 The given table represents the number of computers sold by four dealers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D during the first six months of 2016. Study the table carefully and answer the question that follows.

| Dealer |  |  |  | A |
| :--- | :--- | :--- | :--- | :--- |
| Month $\downarrow$ | B | C | D |  |
| January | 102 | 92 | 95 | 107 |
| February | 94 | 96 | 104 | 106 |
| March | 85 | 94 | 100 | 90 |
| April | 108 | 97 | 99 | 96 |
| May | 98 | 102 | 100 | 89 |
| June | 95 | 108 | 102 | 91 |

The total number of computers sold by dealer B in April, May and June is what percentage of the total number of computers sold by all the dealers in February and April?

Ans
$\times 1.50 \frac{7}{8}$
$\times 2.43 \frac{6}{7}$
$\times 3.48 \frac{5}{7}$

- $4.38 \frac{3}{8}$
Q. 21 The given table represents the number of computers sold by four dealers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D during the first six months of 2016. Study the table carefully and answer the question that follows.

| Dealer <br> Month $\downarrow$ |  |  | A | B |
| :--- | :--- | :--- | :--- | :--- |
|  |  | C | D |  |
| January | 102 | 92 | 95 | 107 |
| February | 94 | 96 | 104 | 106 |
| March | 85 | 94 | 100 | 90 |
| April | 108 | 97 | 99 | 96 |
| May | 98 | 102 | 100 | 89 |
| June | 95 | 108 | 102 | 91 |

The total number of computers sold by dealer A during February to June is what percentage more than the total number of computers sold by all the dealers in June? (Correct to one decimal place)

Ans
X 1.17 .5
$\times 2.25 .3$
$\times$ 3. 24.4
4. 21.2
Q. 22 A person buys 5 tables and 9 chairs for $₹ 15,400$. He sells the tables at $10 \%$ profit and chairs at $20 \%$ profit. If his total profit on selling all the tables and chairs is $₹ 2,080$, what is the cost price of 3 chairs?

Ans
X 1. ₹ 1,890
X 2. ₹ 1,740

- 3. ₹ 1,800

X 4. ₹ 1,860
Q. 23 A boat can go 3 km upstream and 5 km downstream in 55 minutes. It can also go 4 km upstream and 9 km downstream in 1 hour 25 minutes. In how much time (in hours) will it go 43.2 km downstream?
Ans
X1. 4.8
$\times 2.5 .4$
-3. 3.6
X4. 4.4
Q. 24 Sonu saves $15 \%$ of her income. If her income increases by $20 \%$ and she still saves the same amount as before, then what is the percentage increase in her expenditure? (correct to one decimal place)
Ans
X 1.22 .8

- 2. 23.5
$\times 3.23 .8$
$\times 4.24 .2$
Q. 25 What is the compound interest on a sum of ₹ 12,000 for $2 \frac{5}{8}$ years at $8 \%$ p.a., when the interest is compounded annually? (nearest to a rupee)
Ans
- 1. ₹ 2,697

X 2. ₹ 2,654
X 3 ₹ 2,712
X4. ₹ 2,642
Q. 1 Select the most appropriate meaning of the given idiom.

## Back to square one

Ans
1 1. Neglect something

- 2. Come to the original point

X 3. Draw a square
X 4. Move ahead

## Q. 2 Select the wrongly spelt word.

Ans
Х 1. Competence

- 2. Consumation

X 3. Chronology
X4. Compromise
Q. 3 Select the most appropriate word to substitute the underlined word of the given sentence. If substitution is not required select 'No improvement'.

To fight on the battlefield for the sake of one's country needs a great strongness.
Ans

1. the greatest strongness
2. a lots of strength

X 3. No improvement

- 4. great courage


## Q. 4 Select the wrongly spelt word.

Ans

- 1. Tresure

2. Tamarind
3. Turmoil

X 4. Truthful

## Q. 5 Select the correct active form of the given sentence.

This beautiful story was written by Maya.
Ans

1. Maya writes this beautiful story.
2. Maya was writing this beautiful story.

- 3. Maya wrote this beautiful story.

74. Maya is writing this beautiful story.

## Q. 6 Select the antonym of the given word.

LIBERTY
Ans

1. Deliverance

X 2. Convenience

- 3. Dependence

Х4. Independence

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
'A stitch in time saves nine'. This wise saying suggests that an (1)____ action taken on time to rectify an error rules (2)____ the possibility of accumulation of such errors and future
(3) $\qquad$ . Wisdom, therefore lies in correcting the error as soon as it is (4) $\qquad$ There is no point-in allowing the (5) $\qquad$ to grow and then take hasty actions to set things right.

SubQuestion No : 7
Q. 7 Select the most appropriate option for blank no. 1

Ans
X 1. superficial
< 2. opposite

- 3. appropriate
< 4. wrong


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
'A stitch in time saves nine'. This wise saying suggests that an (1)____ action taken on time to rectify an error rules (2) $\qquad$ the possibility of accumulation of such errors and future
(3) $\qquad$ Wisdom, therefore lies in correcting the error as soon as it is (4) $\qquad$ There is no
point-in allowing the (5) $\qquad$ to grow and then take hasty actions to set things right.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank no. 2

Ans

< 2 .for
$>3$ in
<4.at

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
'A stitch in time saves nine'. This wise saying suggests that an (1)____ action taken on time
to rectify an error rules (2) $\qquad$ the possibility of accumulation of such errors and future
(3) $\qquad$ Wisdom, therefore lies in correcting the error as soon as it is (4) $\qquad$ There is no
point-in allowing the (5) $\qquad$ to grow and then take hasty actions to set things right.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank no. 3

Ans

- 1. damages

X 2 . facilities
X 3. advantages
X4. qualities

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
'A stitch in time saves nine'. This wise saying suggests that an (1)____ action taken on time
to rectify an error rules (2) $\qquad$ the possibility of accumulation of such errors and future
(3) $\qquad$ Wisdom, therefore lies in correcting the error as soon as it is (4) $\qquad$ There is no
point-in allowing the (5) $\qquad$ to grow and then take hasty actions to set things right.

SubQuestion No : 10
Q. 10 Select the most appropriate option for blank no. 4

Ans2. proposed3. managed
4. discovered

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. 'A stitch in time saves nine'. This wise saying suggests that an (1) $\qquad$ action taken on time to rectify an error rules (2) $\qquad$ the possibility of accumulation of such errors and future (3) $\qquad$ Wisdom, therefore lies in correcting the error as soon as it is (4) $\qquad$ There is no point-in allowing the (5) $\qquad$ to grow and then take hasty actions to set things right.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank no. 5

Ans

- 1. malady

X 2. melody
X 3. parody
4. remedy
Q. 12 Select one word for the following group of words.

Open refusal to obey orders
Ans
Х 1. Compliance
X 2. Adherence
Х 3. Obedience
4. Defiance

## Q. 13 Select the most appropriate meaning of the given idiom.

Dead heat
Ans

1. Close contest that ends in a tie
2. Strong opposition to one's ideas

X 3. A deadly blast of hot air
4. A strong heat wave
Q. 14 Select the synonym of the given word.

REVERE
Ans

- 1. Respect

Х 2 . Condemn
X 3 . Enjoy
(4. Repeat
Q. 15 In the sentence identify the segment which contains the grammatical error.

The boy which stole the money was caught by the police.
Ans

1. was caught
2. The boy which
3. stole the money
(4. by the police
Q. 16 Select the synonym of the given word.

PREVENT
Ans
1 1. Construct
(2. Allow

- 3. Avert

4. Provoke
Q. 17 Select the most appropriate word to fill in the blank.

She $\qquad$ on paying the bill at the restaurant.
Ans
X 1 . offered

- 2 . insisted

X 3.suggested
4. requested
Q. 18 Select the most appropriate segment to substitute the underlined segment of the given sentence. If substitution is not required select 'no improvement'.

The animal resembled with a cat.
Ans

1. resembled
2. resembled by

Х 3. No improvement
4. resembled to
Q. 19 Select the antonym of the given word.

BROAD
Ans
入1. Long
$\checkmark 2$
2. Narrow
>3. Large
入4. Wide
Q. 20 Select the most appropriate word to fill in the blank.

The groom stood before the $\qquad$ for the wedding ceremony at the church.
Ans
Х 1. atlas
< 2 . alter
X 3. attic
4. altar
Q. 21 Select one word for the following group of words.

Morals that govern one's behavior
Ans
X 1. Intuition

- 2. Ethics

Х 3. Attitude
X 4. Psychology
Q. 22 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Eventually, she overcame adversities and achieved success.
B. She engaged herself in 'earn while you learn', finance scheme in her college.
C. She needed financial support to complete her graduation.
D. Rama was a very poor girl.

Ans
入1.ABCD
入 2 . ADCB

- 3. DCBA

X4. CBDA
Q. 23 Select the correct direct form of the given sentence.

The teacher commanded the students not to shout.
Ans
Х 1. The teacher says to the students, "Do not shout."

- 2. The teacher said to the students, "Don't shout."

3. The teacher said to the student, "You should not shout."
4. The teacher told to the students, "You must not shout."
Q. 24 In the sentence identify the segment which contains the grammatical error.

Saraswati college has maintained its reputation as one of the best college in the country.
Ans
1 1 . Saraswati college has maintained
2. its reputation as

X 3. in the country
4. one of the best college
Q. 25 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. "We are going to the market," declared Reetu and Geetu.
B. "Where are you going?" the father asked.
C. "Take your umbrella, it is going to rain," the mother said.
D. "Yes, definitely. We will," replied the two.

Ans
Х1.ABDC
X 2. DCAB

- 3. BACD

X 4.BCDA

## Combined Graduate Level Examination-2019 (Tier-I)

| Roll <br> Number | E Tayari |
| :--- | :--- |
| Candidate | E Tayari |
| Name |  |
| Venue <br> Name | iON Digital Zone iDZ 3 Wadi MIDC Techgressor Soft <br> Solutions Pvt. Ltd. Nagpur |
| Exam Date | 04/03/2020 |
| Exam Time | 1:00 PM - 2:00 PM |
| Subject | CGLE Tier I |

Section : General Intelligence and Reasoning
Q. 1 How many triangles are there in the given figure?


Ans
X1. 9
X 2. 10

- 3. 11

X 4.12
Q. $2 A+B$ means ' $B$ is the sister of $A$ ';
$\mathrm{A}-\mathrm{B}$ means ' A is the father of B ';
$A \times B$ means ' $B$ is the son of $A$ ';
$A \div B$ means ' $B$ is the husband of $A$ '.
If, $\mathrm{E} \div \mathrm{F}-\mathrm{H}+\mathrm{J} \times \mathrm{G}+\mathrm{D}$, then how is D related to H ?
Ans
$X 1$. Uncle
$X$ 2. Father

- 3. Niece

X4. Aunt
https://haryanajobs.in
Q. 3 'Grapes' is related to ' $F$ ruit' in the same way as 'Pepper' is related to ' $\qquad$ '.
Ans $X 1$. Pulses
$X$ 2. Dry Fruits
3. Spices

X 4. Cereals
Q. 4 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing'@'.


Ans
X1.!
X2.\&
X $3 .<$

- 4
Q. 5 Select the option in which the given figure is embedded (rotation is not allowed).


Ans

Q. 6 Select the letter-cluster that can replace the question mark (?) in the following series.

AOS, CQU, ? , GUY, IWA
Ans
X 1. FSX
X 2. DRV

- 3. ESW
(4. GSW
Q. 7 Select the figure that can replace the question mark (?) in the following series.


Ans
$\times 1$
$\chi_{2}{ }^{23}$
$\times_{3}$
v 4.

Q. 8 Select the number that can replace the question mark (?) in the following series.
$4,25,121, ?, 529,961$
Ans
X1. 361
X2. 256
X3. 324
-4. 289
Q. 9 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
Ans

1. 8-138

X 2. 11-143
X 3.6-174
X4.5-155
Q. 10 Select the option in which the words share the same relationship as that shared by the given pair of words.

Turmeric: Spices
Ans
X 1. Fig: Cashew Nuts
2. Dates: Dry Fruits

X 3. Nutmeg: Chilli Flakes
X 4. Apricot: Pear
Q. 11 Select the option that is related to the third number in the same way as the second number is related to the first number.
$6: 252:: 5:$ ?
Ans
X 1.175

- 2. 150
$\times 3.125$
$\times 4.225$
Q. 12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even
if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)
from the statements.
Statements:

1. All cars are trucks.
2. Some buses are cars

Conclusions:
I. All cars are buses.
II. Some buses are trucks
III. All trucks are buses.

Ans
X 1. Only conclusions II and III follow.
X 2. Only conclusion I follows.

- 3. Only conclusion II follows.

X 4. Only conclusions I and III follow.
Q. 13 Study the given pattern carefully and select the number that can replace the question mark (?) in it


Ans
X1. 446
$\checkmark 2$
464
X 3. 4126
$\times 4.444$
Q. 14 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans

1. HFE

X 2. GMF
X 3. DVR
X 4. OVG
Q. 15 Product $A$ is costlier than product $B$ by $₹ 2$. If the price of product $A$ is increased by two times the price of product $B$, the new price of product A becomes ₹ 17 . What is the price of product B ?
Ans
-1. ₹5
X 2. ₹6
X 3 . ₹ 3
X4. ₹7
Q. 16 Select the letter that can replace the question mark (?) in the following series.

W, Q, ? , H, E, C
Ans
X 1 K
X 2. N

- 3. L

X4. M
Q. 17 In a certain code language, 'GUM' is coded as '49441169'. How will 'WAX' be coded as in that language?

Ans

- 1. 5291576

X 2. 2891400
X 3. 3611121
4. 8412525
Q. 18 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 10 | 3 | 14 |
| :--- | :--- | :--- |
| 49 | 15 | 68 |
| 33 | 19 | $?$ |

Ans

1. 28

X2. 29
X 3.25
$\times 4.27$
Q. 19 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans

Q. 20 Which two digits should be interchanged to make the given equation correct?
$32 \div 6+26-13 \times 6=54$
Ans $\quad \times 1.2$ and 3

- 2. 6 and 2
$X 3.3$ and 1
X4. 3 and 6
Q. 21 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans $X 1$. Ahmedabad
$X$ 2. Surat

- 3. Jhalrapatan

X 4. Rajkot
Q. 22 In a certain code language, PYTHON' is written as 'LMFRWN'. How will 'RHYTHM' be written as in that language?

Ans

1. KFRWFP

X 2. NFRWFS
$X$ 3. MFRWFT
X 4. MFRWFX
Q. 23 Arrange the following words in a logical and meaningful order.

1. Micron
2. Metre
3. Mile
4. Millimetre
5. Kilometre
6. Centimetre

Ans
$X$ 1. 4-6-2-5-3-1
$X$ 2. 4-6-2-5-1-3

- 3. 1-4-6-2-5-3

X 4. 1-4-6-2-3-5
Q. 24 In the given Venn diagram, 'Group A' represents those who can speak 'English', 'Group B' represents those who can speak 'Hindi', and 'Group C' represents those who can speak 'Marathi'. The numbers given in the diagram represent the number of persons in that particular category.


How many persons can speak exactly two languages?
Ans
-1. 18
$\times 2.3$
X 3.21
X 4.12
Q. 25 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.


Ans


Section: General Awareness
Q. 1 The development of a fruit without fertilization is called $\qquad$
Ans $\quad$ 1. Gametogamy

- 2. Parthenocarpy

3. Hybridogenesis
(4.Apomixis
Q. 2 Which of the following is NOT a nationalised bank?

Ans
X 1. United Bank of India

- 2. State Bank of India

X 3. Punjab National Bank
4. Punjab and Sind Bank
Q. 3 In the sequence of planets in the solar system, which planet comes in between Mars and Saturn?
Ans
\$ 1. Venus
\$ 2. Mercury
<3. Uranus
ง 4. Jupiter
Q. 4 Which Tennis star will have a Swiss coin minted in his/her honour?

Ans 1. Novak Djokovic

- 2. Roger Federer

3. Serena Williams
(4. Rafael Nadal
Q. 5 Who is the first Indian to bag two International hat-tricks in cricket?

Ans
\$1. Virat Kohli

- 2. Kuldeep Yadav
(3. Kedar Jadhav
<4. Rohit Sharma
Q. 6 In which city was the Jhanda Satyagraha or Flag Satyagraha of 1923 held?

Ans

Q. 7 Which pillar inscriptions has recorded the achievements of Samudra Gupta, who was known as the 'Napoleon of India' for his conquests?
Ans
(1. Iron Pillar2. Sun Pillar3. Vijaya Stambha
4. Allahabad Pillar
Q. 8 John Maynard Keynes, best known for his economic theories (Keynesian economics), hailed from which country?

Ans
X 1. Sweden
$>2$
2. Denmark

X 3. Australia

- 4. England
Q. 9 Which part of the body is responsible for the manufacture of red blood cells?

Ans


Х 2. Heart
73. Brain

- 4. Bone marrow


## Q. 10 Which of the following is NOT a twin city of India?

Ans
(1. Ahmedabad and Gandhinagar
< 2. Hubli and Dharwad3. Thrissur and Thiruvalla4. Cuttack and Bhubaneswar
Q. 11 Which city of India is known as 'The Athens of the East'?

Ans
< 1. Allahabad
< 2. Patna

- 3. Madurai
\$4. Kochi
Q. 12 Which US based Indian topped the Forbes India's '20 people to watch in the 2020s' list?

Ans

- 1. Hasan Minhaj

Х 2. Dushyant Chautala
3. Prashant Kishor

Х 4. Mahua Moitra
Q. 13 Jellyfish are an example of which type of phylum?

Ans
X 1. Phylum-Ctenophora
X 2. Phylum -Porifera

- 3. Phylum - Cnidaria

X4. Phylum -Protozoa
Q. 14 Who chaired the sixth meeting of the Island Development Agency in New Delhi in January 2020?
Ans

1. Narendra Modi
2. Amit Shah

X 3. Nirmala Sitharaman
4. Nitin Gadkari
Q. 15 Who was appointed as Managing Director of the International Monetary Fund in October, 2019?
Ans
(1. Rodrigo Rato
2. Dominique Strauss-Kahn
$v$
3. Kristalina Georgieva4. Christine Lagarde
Q. 16 Methane is a colourless, odourless, non-toxic but flammable gas. What is its common name?

Ans
Х 1. Blue vitriol
2. Laughing gas
3. Heating gas
4. Marsh gas
Q. 17 Freedom fighter Sucheta Kripalani, became the first woman chief minister of which state?

Ans

1. Rajasthan2. Andhra Pradesh
2. Gujarat

- 4. Uttar Pradesh
Q. 18 In which period was the legendary Victoria Terminus station (currently Chhatrapati Shivaji Maharaj Terminus), Mumbai built?

Ans
v 1.1878 to 1888
X 2.1843 to 1853
X 3.1933 to 1943
X4. 1911 to 1921
Q. 19 Who was the first Governor of Madhya Pradesh?

Ans
< 1. BD Sharma

- 2. Dr. Sitaramayya

X 3. GP Singh
<4. nN Wanchu
Q. 20 In which state has the Jawara Dance, a dance form to celebrate wealth, originated?

Ans
(1. Rajasthan

K 2. Gujarat

- 3. Madhya Pradesh
< 4. Kerala
Q. 21 In which state did the second phase of Intensified Mission Indradhanush (IMI) 2.0 begin in January 2020?
Ans
- 1. Uttar Pradesh
< 2. Punjab
X 3. Kerala
<4. Bihar
Q. 22 Who was chosen as foreign secretary of India in January 2020?

Ans
Х 1. Vijay Keshav Gokhale
\$ 2. Nirupama Rao
X 3. Ranjan Mathai

- 4. Harsh Vardhan Shringla
Q. 23 Which Union Minister of Home Affairs released a book titled Karmayodha Granth in New Delhi?
Ans
Х 1. Rajnath Singh
X 2. P Chidambaram

3. Amit Shah

X 4. Sushilkumar Shinde
Q. 24 Georg Simon Ohm in whose honour we have the famous Ohm's Law, hailed from which country?
Ans

- 1. Germany

2. Spain
3. Poland
(4. Russia
Q. 25 Which city in India is world renowned for one of the most traditional embroidery styles, Chikankari?

Ans
X 1. Ahmedabad
2. Lucknow
3. Hyderabad

X4. Udaipur

Section : Quantitative Aptitude
Q. 1 If the 6-digit numbers $x 35624$ and $1257 y 4$ are divisible by 11 and 72 , respectively, then what is the value of $(5 x-2 y)$ ?

Ans
-1. 14
$\times 2.12$
$\times 3.10$
$\times 4.13$
Q. 2 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

| Years <br> Product <br> $\downarrow$ | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $A$ | 98 | 94 | 80 | 95 | 110 | 115 |
| B | 74 | 96 | 92 | 84 | 98 | 86 |
| C | 82 | 98 | 96 | 88 | 93 | 103 |
| D | 74 | 102 | 92 | 93 | 97 | 102 |

What is the ratio of the total revenue of the company in 2014 from the sale of all the four products to the total revenue from the sale of product C in 2014 to 2017?

Ans
X $1.14: 23$
2. $18: 19$

X 3. $7: 10$
X4.7:9
Q. 3 If $P=\frac{x^{4}-8 x}{x^{3}-x^{2}-2 x}, Q=\frac{x^{2}+2 x+1}{x^{2}-4 x-5}$ and $R=\frac{2 x^{2}+4 x+8}{x-5}$, then $(P \times Q) \div R$ is equal to:

Ans
-1. $\frac{1}{2}$
<2. 1
X3. 2
X4.4
Q. 4

The value of $\frac{5 \frac{1}{2} \div 3 \frac{2}{3} \text { of } \frac{1}{4}+\left(5 \frac{1}{9}-7 \frac{7}{8} \div 9 \frac{9}{20}\right) \times \frac{9}{11}}{5 \div 5 \text { of } \frac{1}{10}-10 \times 10 \div 20}$ is:
Ans Х1. $1 \frac{4}{5}$2. $1 \frac{9}{10}$

Х3. $3 \frac{4}{5}$
Х4. $9 \frac{1}{2}$
Q. 5 PRT is a tangent to a circle with centre $O$, at the point $R$ on it. Diameter $S Q$ of the circle is produced to meet the tangent at P and QR is joined. If $\angle \mathrm{QRP}=28^{\circ}$, then the measure of $\angle \mathrm{SPR}$ is:

Ans
X 1. $29^{\circ}$

- 2. $34^{\circ}$
$\times 3.62^{\circ}$
$\times 4.32^{\circ}$
Q. 6 In $\triangle P Q R, \angle Q=85^{\circ}$ and $\angle R=65^{\circ}$. Points S and T are on the sides PQ and PR , respectively such that $\angle S T R=95^{\circ}$, and the ratio of the $Q R$ and $S T$ is $9: 5$. If $P Q=21.6 \mathrm{~cm}$, then the length of $P T$ is:

Ans
$X 1.10 .5 \mathrm{~cm}$
$\times 2.9 .6 \mathrm{~cm}$

- 3. 12 cm
$\times 4.9 \mathrm{~cm}$
Q. 7 The income of A is $60 \%$ less than that of B , and the expenditure of A is equal to $60 \%$ of B 's expenditure. If A's income is equal to $70 \%$ of B 's expenditure, then what is the ratio of the savings of A and B ?
Ans
X1.3:8
X2. 5:9
X 3.4:7
- 4. $2: 15$
Q. 8 If $a+b+c=7$ and $a b+b c+c a=-6$, then the value of $a^{3}+b^{3}+c^{3}-3 a b c$ is:

Ans 1. 469
$\times 2.472$
$\times 3.463$
$\times 4.479$
Q. 9 The marked price of an article is ₹ 740 . After two successive discounts of $15 \%$ and $x \%$, it is sold for ₹ 566.10 . What is the value of $x$ ?
Ans
$\times 1.12$
$\times 2.5$

- 3.10

X4. 20
Q. 10 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

| Years <br> Product <br> $\downarrow$ | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| A | 98 | 94 | 80 | 95 | 110 | 115 |
| B | 74 | 96 | 92 | 84 | 98 | 86 |
| C | 82 | 98 | 96 | 88 | 93 | 103 |
| D | 74 | 102 | 92 | 93 | 97 | 102 |

By what percentage is the total revenue of the company from the sale of products A, B and D in 2012 and 2013 more than the total revenue from the sale of product B in 2013 to 2016?(Correct to one decimal place)

Ans
X 1.44 .5
$\times 2.31 .2$
X 3.43 .6

- 4.45 .4
Q. 11 The difference in compound interest on a certain sum at $10 \%$ p.a. for one year, when the interest is compounded half yearly and yearly, is ₹ 88.80 . What is the simple interest on the same sum for $1 \frac{2}{3}$ years at the same rate?

Ans
X 1. ₹5,916
X 2. ₹ 5,986
X 3. ₹ 5,980

- 4. ₹ 5,920
Q. 12 If $30 x^{2}-15 x+1=0$, then what is the value of $25 x^{2}+\left(36 x^{2}\right)^{-1}$ ?

Ans
X1. $\frac{9}{2}$
$\times 2.6 \frac{1}{4}$3. $\frac{65}{12}$

- $4 . \frac{55}{12}$
Q. 13 The ratio of boys and girls in a group is $7: 6$. If 4 more boys join the group and 3 girls leave the group, then the ratio of boys to girls becomes $4: 3$. What is the total number of boys and girls initially in the group?
Ans
X 1.117
$\times 2.78$
$\times 3.91$
- 4.104
Q. 14 In $\triangle A B C, \mathrm{D}$ and E are the points on sides AC and BC , respectively such that $\mathrm{DE} \| \mathrm{AB} . \mathrm{F}$ is a point on CE such that $\mathrm{DF} \| \mathrm{AE}$. If $\mathrm{CE}=6 \mathrm{~cm}$, and $\mathrm{CF}=2.5 \mathrm{~cm}$, then BC is equal to:

Ans

- 1. 14.4 cm
$\times 2.15 .6 \mathrm{~cm}$
$\times 3.14 \mathrm{~cm}$
$\times 4.12 \mathrm{~cm}$
Q. 15 Two chords AB and CD of a circle are produced to intersect each other at a point P outside the circle. If $\mathrm{AB}=7 \mathrm{~cm}$, $\mathrm{BP}=4.2 \mathrm{~cm}$ and $\mathrm{PD}=2.8 \mathrm{~cm}$, then the length of CD is:

Ans
X 1.12 cm
$\times 2.14 .6 \mathrm{~cm}$
$\times 3.15 .8 \mathrm{~cm}$
4. 14 cm
Q. 16 One-third of goods are sold at a $15 \%$ profit, $25 \%$ of the goods are sold at a $20 \%$ profit and the rest at a $20 \%$ loss. If the total profit of $₹ 138.50$ is earned on the whole transaction, then the value (in ₹) of the goods is:

Ans
X 1. ₹8,587
X 2. ₹ 8,030
X 3. ₹7,756

- 4. ₹ 8,310
Q. 17 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.
$\left.\begin{array}{|l|l|l|l|l|l|l|}\hline \begin{array}{c}\text { Years } \\ \text { Product }\end{array} \\ \downarrow\end{array}\right)$

The number of years in which the revenue of the company from the sale of product $D$ is more than the average revenue from the sale of product A over six years, is:

Ans
X1. 4
$\times 2.1$
$\times 3.3$

- 4.2
Q. 18 If $7 \sin ^{2} \theta-\cos ^{2} \theta+2 \sin \theta=2,0^{\circ}<\theta<90^{\circ}$, then the value of $\frac{\sec 2 \theta+\cot 2 \theta}{\operatorname{cosec} 2 \theta+\tan 2 \theta}$ is:

Ans

$\times 2.1$

- 3. $\frac{1}{5}(1+2 \sqrt{3})$

X4. $\frac{2}{5}(1+\sqrt{3})$
Q. 19 A and B, working together, can complete a work in d days. Working alone, $A$ takes $(8+d)$ days and $B$ takes $(18+d)$ days to complete the same work. A works for 4 days. The remaining work will be completed by B alone, in:

Ans

1. 24 days

X 2. 16 days
X 3. 18 days
X4. 20 days
Q. 20 The average weight of some students in a class was 58.4 kg . When 5 students having the average weight 62.8 kg joined the class, the average weight of all students in the class increased by 0.55 kg . The number of students initially in the class, were:
Ans
X 1. 30

- 2. 35
$\times 3.25$
$\times 4.40$
Q. 21 The expression $3 \sec ^{2} \theta \tan ^{2} \theta+\tan ^{6} \theta-\sec ^{6} \theta$ is equal to:

Ans $\quad \times 1 .-2$
$\times 2.1$
$\times 3.2$

- 4. -1
Q. 22 The time taken by a boat to travel 13 km downstream is the same as time taken by it to travel 7 km upstream. If the speed of the stream is $3 \mathrm{~km} / \mathrm{h}$, then how much time (in hours) will it take to travel a distance of 44.8 km in still water?
Ans
-1. $4 \frac{12}{25}$
X2. $5 \frac{3}{5}$
$\times 3.5 \frac{2}{5}$
X4. $4 \frac{13}{25}$
Q. 23 A cylindrical vessel of radius 30 cm and height 42 cm is full of water. Its contents are emptied into a rectangular tub of length 75 cm and breadth 44 cm . The height (in cm ) to which the water rises in the tub is: (Take $\pi=\frac{22}{7}$ )

Ans
-1. 36
$\times 2.30$
$\times 3.40$
$\times 4.45$
Q. 24

The value of $\frac{\tan ^{2} \theta-\sin ^{2} \theta}{2+\tan ^{2} \theta+\cot ^{2} \theta}$ is:
Ans
X 1. $\operatorname{cosec}^{6} \theta$
X 2. $\cos ^{4} \theta$

- 3. $\sin ^{6} \theta$

X4. $\sec ^{4} \theta$
Q. 25 The given table represents the revenue (in ₹ crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

| Years <br> Product <br> $\downarrow$ | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| A | 98 | 94 | 80 | 95 | 110 | 115 |
| B | 74 | 96 | 92 | 84 | 98 | 86 |
| C | 82 | 98 | 96 | 88 | 93 | 103 |
| D | 74 | 102 | 92 | 93 | 97 | 102 |

The total revenue of the company from the sale of products B, C and D in 2014 is what percentage of the total revenue from the sale of products $C$ and $D$ in 6 years?
Ans
X 1.18
2. 25

X 3.28
$\times 4.20$
Q. 1 Select the most appropriate ANTONYM of the given word.

Obsolete
Ans
Х 1. Remote
v 2. Recent
X 3. Outdated
X4. Rigid

## Q. 2 Select the correctly spelt word.

Ans 1. Encouragement
X 2. Embarasment
Х 3. Conscinteous
< 4. Comotion

## Q. 3 Select the most appropriate meaning of the given Idiom.

The bee's knees
Ans
X1. Observant
1 2. Foolish
X 3. Problematic
v 4. Extraordinary
Q. 4 Select the word which means the same as the given group of words.

One who loads and unloads ships.
Ans

1. Spinster

- 2. Stevedore

3. Captain

X4. Rustic
Q. 5 Select the word which means the same as the given group of words.

A sudden rush of a large number of frightened people or animals.
Ans
Х 1. Scapegoat
<2. Recluse3. Stampede
(4. Lunacy
Q. 6 Select the most appropriate word to fill in the blank.

A reward is a $\qquad$ which motivates a person to achieve excellence in his field.

Ans
(1. monument
< 2. collection

- 3. recognition
(4. memorial


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Discipline is doing any work with rules and regulations. It is (1) $\qquad$ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) $\qquad$ for students and people in different professions. A disciplined person always (3) $\qquad$ in each and every field of life. Disciplined people (4) $\qquad$ a disciplined society and a powerful nation. Discipline should not be (5) $\qquad$ upon the people, rather it should come from within.

SubQuestion No : 7
Q. 7 Select the most appropriate option for blank number (1)

Ans
\$ 1. happily

- 2. usually
( 3. slowly
< 4. proudly


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Discipline is doing any work with rules and regulations. It is (1) $\qquad$ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) $\qquad$ for students and people in different professions. A disciplined person always (3) $\qquad$ in each and every field of life. Disciplined people (4) $\qquad$ a disciplined society and a powerful nation. Discipline should not be (5) $\qquad$ upon the people, rather it should come from within.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank number (2)

Ans
Х 1. disadvantage

- 2. virtue

X 3 . dream
(4.curse

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Discipline is doing any work with rules and regulations. It is (1) $\qquad$ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) $\qquad$ for students and people in different professions. A disciplined person always (3) $\qquad$ in each and every field of life. Disciplined people (4) $\qquad$ a disciplined society and a powerful nation. Discipline should not be (5) $\qquad$ upon the people, rather it should come from within.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank number (3)

Ans
(1. succeed
2. succeeds

Х 3 . successful
>4.success

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Discipline is doing any work with rules and regulations. It is (1) $\qquad$ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) $\qquad$ for students and people in different professions. A disciplined person always (3) $\qquad$ in each and every field of life. Disciplined people (4) $\qquad$ a disciplined society and a powerful nation. Discipline should not be (5) $\qquad$ upon the people, rather it should come from within.

SubQuestion No : 10
Q. 10 Select the most appropriate option for blank number (4)

Ans
(1. makes
v 2. make
X 3. had made
X 4.made

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Discipline is doing any work with rules and regulations. It is (1) $\qquad$ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) $\qquad$ for students and people in different professions. A disciplined person always (3) $\qquad$ in each and every field of life. Disciplined people (4) $\qquad$ a disciplined society and a powerful nation. Discipline should not be (5) $\qquad$ upon the people, rather it should come from within.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank number (5)

Ans
< 1 . curbed2. adorned
3. imposed

Х 4. reposed
Q. 12 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. They can then purchase them on subsidized rates with additional loan facilities.
B. It will import technologically advanced medical instruments and provide them to entrepreneurs.
C. The Indian Government has announced certain facilities in the budget session.
D. This will help in strengthening the economic condition of entrepreneurs.

Ans
Х1. BDCA
< 2 . CadB

- 3. CBAD

X4. DCAB
Q. 13 Select the most appropriate meaning of the given idiom.

To throw a fit
Ans

1. Become unconscious

X 2. Caution someone about fitness

- 3. Express extreme anger

4. Faint and fall down
Q. 14 Select the most appropriate ANTONYM of the given word.

Derogatory
Ans
Х 1. Depreciating

- 2. Complimentary

3. Intricate
>4. Insulting
Q. 15 Select the most appropriate synonym of the given word.

Acknowledgement
Ans
X1. Confusion
X2. Elimination
X 3. Compensation
4. Confirmation
Q. 16 In the sentence identify the segment which contains the grammatical error.

Those who follow a healthy routine is likely enjoying good health.
Ans

1. good health

2 2. a healthy routine
3. is likely enjoying
4. Those who follow
Q. 17 Select the most appropriate word to fill in the blank.

The government should take stringent steps against terrorists and foil their $\qquad$ designs.

Ans
X 1. exemplary
2. benevolent
3. conducive
4. malicious
Q. 18 Select the most appropriate synonym of the given word.

Prodigal
Ans
1 1. Trivial
< 2. Humble

- 3. Extravagant

1 4. Arrogant
Q. 19 In the sentence identify the segment which contains the grammatical error.

When I reached the cinema hall, the movie had already began.
Ans

- 1. already began

2. the movie had
3. When I reached
4. the cinema hall

## Q. 20 Select the correct passive form of the given sentence.

His elder sister taught him English.
Ans

1. He is being taught English by his elder sister.
2. His elder sister is taught English by him.
3. He has been taught English by his elder sister.
4. He was taught English by his elder sister.
Q. 21 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The mathematical calculation of this problem is easy than a previous one.
Ans

1. easy than the
2. easier than the
3. easiest than the

X 4. No Improvement
Q. 22 Select the correct indirect form of the given sentence.

The teacher said to me, "You have not submitted the assignment."
Ans

1. The teacher said me that I had not submitted the assignment.

Х 2. The teacher told to me that I have not submitted that assignment.

- 3. The teacher told me that I had not submitted the assignment.

4. The teacher said to me that I have not submitted the assignment.
Q. 23 Select the most appropriate option to substitute the underlined segment in the given sentence.

No effort has been made by the Indian cricket team to cash off on its vibrant image in the World Cup.

Ans

1. for cash through in

2 2. for cashing off on

- 3. to cash in on

4. to cash up on

## Q. 24 Select the correctly spelt word.

Ans
< 2 Rehersal
X 3 . Employeed
4. Seperable
Q. 25 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. This is because of its aroma, flavour and variety in the market.
B. Thus, it leads to poor health and mental disorders among children.
C. Children as well as teenagers are tempted towards junk food.
D. It has no or negligible nutritional value and high content of sugar and salt.

Ans
Х1.BCDA
< 2. ACDB

- 3. CADB

Х4. CDAB

## Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | Lucknow Digital Solutions |
| Exam Date | $04 / 03 / 2020$ |
| Exam Time | 4:00 PM - 5:00 PM |
| Subject | CGLE Tier I |

## Section : General Intelligence and Reasoning

Q. 1 Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.


Ans

Q. 2 In a certain code language, 'EARTH' is coded as ' 8201815 '. How will 'ORBIT' be coded as in that language?

Ans
X 1.18172372

- 2. 20921815

X 3. 37681026
X4. 17113912
Q. 3 Select the option that is related to the third term in the same way as the second term is related to the first term and sixth term is related to fifth term.

72: 14 :: $87:$ ? :: $96: 54$
Ans
-1. 56
X2. 52
$\times 3.29$
X4. 15
Q. 4 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans

Q. 5 How many rectangles are there in the given figure?


Ans
$\times 1.15$

- 2. 17
$\times 3.11$
$\times 4.13$
Q. 6 In the given Venn diagram, the 'rectangle' represents 'engineers', the 'circle' represents 'managers', and the 'triangle' represents 'married'. The numbers given in the diagram represent the number of persons in that particular category.


How many people are married but are NOT engineers?
Ans
-1. 29
$\times 2.16$
$\times 3.70$
$\times 4.13$
Q. 7 In a certain code language, 'JUPITER' is written as ' JVOJSFR '. How will 'NEPTUNE' be written as in that language?

Ans
$X_{1}$. NDPSVME
$X$ 2. ngoutoe

- 3. nfoutoe

X 4. nfostoe
Q. 8 A product was marked for sale with a label price, which is at $20 \%$ discount on the printed price. At the time of sale, the shopkeeper gave an additional $10 \%$ discount on the label price. If a customer bought the product at ₹ 468 , then what is the printed price of the product?
Ans
X 1. ₹ 700

- 2. ₹ 650

X 3. ₹520
X4. ₹600
Q. $9 \mathrm{~A}+\mathrm{B}$ means ' A is the wife of B ';
$A-B$ means ' $B$ is the daughter of $A$ ';
$A \times B$ means ' $B$ is the brother of $A$ ';
$A \div B$ means ' $A$ is the father of $B$ '.
If, $P+R \times T-Q+S \div U$, then how is P related to the mother of $U$ ?
Ans $\times 1$. Maternal grandmother
X 2. Mother
$X$ 3. Paternal grandmother

- 4. Aunt
Q. 10 Arrange the following words in a logical and meaningful order (according to population).

1. Andhra Pradesh
2. Madhya Pradesh
3. Arunachal Pradesh
4. Uttar Pradesh
5. Himachal Pradesh

Ans
X 1. 4-1-2-3-5

- 2. 4-2-1-5-3

X 3. 4-1-2-5-3
X4.4-2-1-3-5
Q. 11 Select the option in which the words share the same relationship as that shared by the given pair of words. Dentist : Doctor
Ans $\times 1$. Line: Circle
X 2. Algebra: Geometry
3. Chemistry: Science

X4. Biology: Astrology
Q. 12 Which two signs should be interchanged to make the given equation correct?
$121+11-42 \times 6 \div 7=83$
Ans
$\times 1$. and $\div$
$\times 2 .+$ and $\div$

- $3 . \div$ and $X$
$\times 4 . \times$ and -
Q. 13 Select the option in which the given figure is embedded (rotation is not allowed).


Ans

Q. 14 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 15 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

Ans
X 1. $10: 123$
2. $17: 290$

X 3. 14:227
4. $11: 146$
Q. 16 Select the option in which the number set shares the same relationship as that shared by the given number set. $(17,24,45)$

Ans
$X 1 .(18,23,46)$
X $2 .(19,26,34)$
X $3 .(15,20,43)$

- 4. $(12,19,40)$
Q. 17 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).


## Statements:

All singers are dancers.
No dancer is a plumber.
Conclusions:
I. No plumber is a singer.
II. Some singers are plumbers.
III. Some dancers are singers.

Ans
$X$ 1. Only conclusion I follows.
X 2. Only conclusions II and III follow.

- 3. Only conclusions I and III follow.

X 4. Only conclusion II follows.
Q. 18 Select the number that can replace the question mark (?) in the following series.

1537, 1539, 1543, ?, 1557, 1567
Ans $\times 1.1553$
Х2. 1550
X 3.1546
ง 4.1549
Q. 19 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
X 1. Hyderabad
2. Aurangabad
3. Chennai

X 4. Gangtok
Q. 20 Select the letter-cluster that can replace the question mark (?) in the following series.

DAG, FCI, ? JGM, LIO
Ans
X 1. GDJ
$\times$ 2. IFL
X 3. HKE

- 4. HEK
Q. 21 'Wheat' is related to 'Bread' in the same way as 'Sugarcane' is related to $\qquad$ ,

Ans

- 1. Jaggery

X 2. Mayonnaise
$X$ 3. Grass
X 4. Ketchup
Q. 22 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans

1. FGL

X 2. ABF
X 3. IJN
X4. MNR
Q. 23 Select the letter that can replace the question mark (?) in the following series.

A, E, J, ?, W
Ans
X1.R

- 2. P

入3. S
X4. Q
Q. 24 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' $=$ '.



Ans
-1.S
X2. \#
X 3. \%
X4.*
Q. 25 Study the given pattern carefully and select the number that can replace the question mark (?) in it.


Ans
>1. 64
×2. 96
Х 3.82

- 4.74

Section : General Awareness
Q. 1 Four multi-storied illegal constructions - Jain Coral Cove, H20 Holy Faith, Alfa Serene and Golden Kayaloram - were razed to the ground in January 2020 following Supreme Court instructions. In which state did this happen?
Ans
Х1. Karnataka
X ${ }^{2}$. Goa
v 3. Kerala
X 4. Tamil Nadu
Q. 2 Name the company that has acquired an online travel portal Yatra Online Inc., for an enterprise value of $\$ 337.8$ million, in an all-stock transaction.
Ans

1. Make my trip.com
< 2 . Trivago

- 3. Ebix Inc.

4. Trip Advisor
Q. 3 Which of the following is an INCORRECT sequence of Mughal rulers?

Ans
X 1. Jahangir, Shah Jahan, Aurangzeb
2. Akbar, Shah Jahan, Jahangir

X 3. Babur, Humayun, Akbar
4. Akbar, Jahangir, Shah Jahan
Q. 4 The recently revoked 'Article $370^{\prime}$ ' is associated with which of these states of India?

Ans
Х 1 . Assam
(2. Sikkim
3. Nagaland
4. Kashmir
Q. 5 Bhavai and Kalbelia as traditional dance forms, owe their genesis to which Indian state?
Ans
(1. Punjab

- 2. Rajasthan
<3. Assam
\$4. Odisha
Q. 6 Iranian Major General Qasem Soleimani was recently (2020) assassinated by the US military in $\qquad$ -.

Ans
(1. United Arab Emirates

- 2. Iraq

X 3. Saudi Arabia
X 4. Pakistan
Q. 7 Who is the only scientist in the world to have won the Nobel prize in Chemistry twice?

Ans
(1. Linus Carl Pauling2. Roger D. Kornberg
3. Madame Curie

- 4. Frederick Sanger
Q. 8 The American scientist Edwin Hubble's name is associated with which of these theories?

Ans

1. Lattice Gauge Theory
\$ 2. Quantum Chromodynamics Theory
X 3. Partial Coherence of Light Theory
v 4. The Big Bang Theory
Q. 9 The city of Vijayawada lies on the banks of which of these rivers?

Ans
(1. Mahanadi
< 2. Tapti3. Krishna
<4. Godavari
Q. 10 Only one Indian batsman has scored a triple century in test cricket other than Virender Sehwag. Name this batsman.
Ans

1. Ajinkya Rahane
$>$
2. Rohit Sharma
3. Shikhar Dhawan
4. Karun Nair
Q. 11 What is the name of the phenomena in physics and astronomy which involves the splitting of a spectral line into two or more components of slightly different frequency when the light source is placed in a magnetic field?
Ans
5. Lumen Effect

X 2. Alpenglow Effect
3. Zeeman Effect

X 4. Raman Effect
Q. 12 When does the entire earth experience equal days and nights?

Ans
\$ 1. Day of winter solstice
Х 2 . Day of summer solstice
X 3. At orbital plane
4. Day of equinox
Q. 13 Who among the following is the current (January 2020) Governor of Kerala?

Ans

- 1. Arif Mohammed Khan

K 2. Satya Pal Mallik
( 3. Lalji Tandon
(4. B.D. Mishra
Q. 14 Name the two Indian actors who shared the National Best Actor Award (Male) in the 66th National Film Awards 2019.
Ans

1. Ayushmann Khurrana and Vicky Kaushal

X 2. Ranbir Kapoor and Akshay Kumar
< 3. Nana Patekar and Mohanlal
4. Amitabh Bachchan and Ranbir Kapoor
Q. 15 Former union minister and former Karnataka CM, D.V. Sadananda Gowda is a cabinet minister in the current central cabinet (February-2020). What is his portfolio?
Ans

1. Law and Justice

- 2. Chemicals and Fertilizers

3. Public Distribution
(4. Tribal Affairs
Q. 16 Who among the following is known as the 'father of Muslim renaissance' in Bengal?

Ans
Х 1 . Sir Sayed Ahmed Khan
(2. Ameer Ali

- 3. Nawab Abdul Latif Khan

X 4. Nawab Salimullah Khan
Q. 17 Name the author of the 2019 released book - 'The Scent of God'.

Ans
< 1. Nayantara Sehgal
X2. Githa Hariharan

- 3. Saikat Majumdar
(4. Himanjali Sankar
Q. 18 What is the name of the phenomena (driven by the scattering of light) in which mountain tops acquire a rosy or orange hue around sunrise and sunset?
Ans

1. Brillouin scattering
2. Circle of confusion

- 3. Alpenglow

7. Barrel distortion
Q. 19 How many members did the International Monetary Fund (IMF) have as of January 2020?

Ans
X1. 164
X2. 174

- 3.189

X4.182
Q. 20 The 3rd Khelo India Youth Games 2020 is hosted by which Indian state?

Ans
< 2. Kerala
( 3. Karnataka
(4. Punjab
Q. 21 From which of the following states does 2019 Padma Vibhushan winner, Teejan Bai hail?
Ans

1. Chhattisgarh

X ${ }^{2}$. Gujarat
X 3. Odisha
4. Telangana
Q. 22 Which of these is the energy conversion that happens in the process called photosynthesis?
Ans

1. Potential energy to chemical energy

- 2. Light energy to chemical energy

3. Heat energy to chemical energy
4. Heat energy to light energy
Q. 23 Who was the then Governor-General of British India, when 'Sati Pratha' became illegal and punishable?
Ans
Х 1. Lord Cornwallis
5. Lord Wellesley

- 3. Lord William Bentinck

4. Warren Hastings
Q. 24 Which of the following is an Indian Research Station in the Antarctica Region?

Ans

1. Orcadas

- 2. Maitri

3. Hope Bay
(4. Mawson
Q. 25 Who is the author of the delightful and anecdotal history of Indian cricket titled - 'A Corner of a Foreign Field: The Indian History of a British Sport'?
Ans
4. Sanjay Singh
5. Ramachandra Guha

Х 3. Bipin Chandra
4. Romila Thapar

## Section : Quantitative Aptitude

Q. 1 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

| Years $\longrightarrow$ | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Motorcycles <br> (type) <br> A | 95 | 84 | 85 | 89 | 80 | 98 |
| B | 98 | 87 | 89 | 88 | 96 | 92 |
| C | 104 | 89 | 95 | 92 | 100 | 110 |
| D | 103 | 100 | 102 | 95 | 104 | 120 |

During 2015, the production of which type of motorcycle was more than $25 \%$ of the total production of all types of motorcycles in 2017?

Ans
X1. A
>2. B
X3. C

- 4. D
Q. 2 The average age of a number of persons in a group was calculated as 35 years, which was 2.5 years more than the correct average as there was an error in recording the age of two persons as 38.5 years and 40 years instead of 29 years and 22 years respectively. The number of persons in the group was:

Ans
-1. 11
X2. 12
X 3.15
$\times 4.13$
Q. 3

If $\sec \theta+\tan \theta=p, 0^{\circ}<\theta<90^{\circ}$, then $\frac{p^{2}-1}{p^{2}+1}$ is equal to:
Ans
X 1. $\operatorname{cosec} \theta$
2. $\sin \theta$

X 3. $\cos \theta$
X4. $2 \operatorname{cosec} \theta$
Q. 4 The chords AB and CD of a circle intersect at E . If $\mathrm{AE}=12 \mathrm{~cm}, \mathrm{BE}=20.25 \mathrm{~cm}$ and $\mathrm{CE}=3 \mathrm{DE}$, then the length (in cm ) of CE is:
Ans
-1. 27
X2. 25.5
$\times 3.18$
$\times 4.28 .5$
Q. 5 If $x+y+z=3$, and $x^{2}+y^{2}+z^{2}=101$, then what is the value of $\sqrt{x^{3}+y^{3}+z^{3}-3 x y z}$ ?

Ans
X 1.19

- 2. 21
$\times 3.24$
X4. 28
Q. 6 If $12 x^{2}-21 x+1=0$, then what is the value of $9 x^{2}+\left(16 x^{2}\right)^{-1}$ ?

Ans
X $1 . \frac{429}{8}$2. $\frac{465}{16}$

- 3. $\frac{417}{16}$

X4. $\frac{453}{8}$
Q. 7 A sum of ₹ $x$ was divided between A, B, C and D in the ratio $\frac{1}{3}: \frac{1}{5}: \frac{1}{6}: \frac{1}{9}$. If the difference between the shares of $B$ and D is $₹ 832$, then the value of $x$ is:

Ans

- 1. ₹ 7,592

X2. ₹ 7,384
Х3.₹7,696
Х4. ₹ 7,488
Q. 8 The area of a field in the shape of a regular hexagon is $2400 \sqrt{3} \mathrm{~m}^{2}$. The cost of fencing the field at $₹ 16.80 /$ metre is:

Ans
X 1. ₹ 4,536
X 2. ₹ 3,024

- 3. ₹ 4,032

X4. ₹ 3,528
Q. 9 Places A and B are 144 km apart. Two cars start simultaneously, one from A and the other from B. If they move in the same direction, they meet after 12 hours, but if they move towards each other they meet after $\frac{9}{8}$ hours. The speed (in $\mathrm{km} / \mathrm{h}$ ) of the car moving at a faster speed, is:

Ans
-1. 70
$\times 2.72$
$\times 3.60$
$\times 4.64$
Q. $10 \mathrm{~A}, \mathrm{~B}$ and C donate $8 \%, 7 \%$ and $9 \%$, of their salaries, respectively to a charitable trust. The salaries of A and B are same and the difference between their donations is $₹ 259$. The total donation of $A$ and $B$ is $₹ 1,185$ more than that of C . The total donation of A and C is what percentage of the total salaries of $\mathrm{A}, \mathrm{B}$ and C ? (Correct to one decimal place)
Ans
X 1. $6.2 \%$

- 2. $5.8 \%$

X 3. 6.4\%
X4.7.1\%
Q. 11 Four men and 6 women can complete a certain piece of work in 5 days whereas three men and 4 women can complete it in 7 days. How many men should assist 25 women to complete $2 \frac{1}{2}$ times the same work in 5 days?

Ans
X 1.8
$\times 2.10$
$\times 3.4$

- 4.5
Q. 12 In $\triangle A B C, \angle B=72^{\circ}$ and $\angle C=44^{\circ}$. Side BC is produced to D . The bisectors of $\angle B$ and $\angle A C D$ meet at E . What is the measure of $\angle B E C$ ?
Ans
$\times 1.58^{\circ}$
$\times 2.46^{\circ}$

3. $32^{\circ}$
$\times 4.36^{\circ}$
Q. 13 In $\triangle A B C, \mathrm{AC}=8.4 \mathrm{~cm}$ and $\mathrm{BC}=14 \mathrm{~cm}$. P is a point on AB such that $\mathrm{CP}=11.2 \mathrm{~cm}$ and $\angle A C P=\angle B$. What is the length (in cm ) of BP ?

Ans
X 1.4 .12
X2. 2.8

- 3. 3.78
$\times 4.3 .6$
Q. 14 If $2 x^{2}+y^{2}+8 z^{2}-2 \sqrt{2} x y+4 \sqrt{2} y z-8 z x=(A x+y+B z)^{2}$, then the value of $\left(A^{2}+B^{2}-A B\right)$ is:

Ans
Х 1.16

- 2. 14

Х 3.6
人4.18
Q. 15 How many numbers are there from 200 to 800 which are neither divisible by 5 nor by 7 ?

Ans
$\times 1.407$
$\times 2.410$
$\times 3.413$

- 4.411
Q. 16

The value of $\frac{8 \div[(8-3) \div\{(4 \div 4 \text { of } 8)+4-4 \times 4 \div 8\}-2]}{8 \times 8 \div 4-8 \div 8 \text { of } 2-7}$ is:
Ans
X1. $\frac{17}{8}$

- 2. $\frac{8}{3}$

Х $3 \cdot \frac{16}{170}$
X4. $\frac{2}{17}$
Q. 17 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

| Years $\longrightarrow$ | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Motorcycles } \\ & \text { (type) } \downarrow \\ & \hline \end{aligned}$ |  |  |  |  |  |  |
| A | 95 | 84 | 85 | 89 | 80 | 98 |
| B | 98 | 87 | 89 | 88 | 96 | 92 |
| C | 104 | 89 | 95 | 92 | 100 | 110 |
| D | 103 | 100 | 102 | 95 | 104 | 120 |

What is the percentage increase in the total production of all types of motorcycles from 2014 to 2018 ?
Ans
$\times 1.14 \frac{3}{7}$2. $17 \frac{1}{3}$3. $16 \frac{2}{3}$4. $14 \frac{2}{7}$
Q. 18 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

| Years $\longrightarrow$ <br> Motorcycles <br> (type) <br> $\downarrow$ <br> 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| A | 95 | 84 | 85 | 89 | 80 | 98 |
| B | 98 | 87 | 89 | 88 | 96 | 92 |
| C | 104 | 89 | 95 | 92 | 100 | 110 |
| D | 103 | 100 | 102 | 95 | 104 | 120 |

By what percentage is the total production of type A motorcycles over six years, less than the total production of all types of motorcycles in 2013 and 2016?

Ans
$\times 1.32 .2$
$\times 2.32 .8$
$\times 3.31 .6$

- 4. 30.5
Q. 19 Two circles of radii 7 cm and 5 cm intersect each other at A and B, and the distance between their centres is 10 cm . The length (in cm ) of the common chord AB is:

Ans$\frac{3 \sqrt{66}}{5}$2. $\frac{4 \sqrt{66}}{5}$$\frac{2 \sqrt{74}}{5}$
Х4. $\frac{3 \sqrt{74}}{5}$
Q. 20 If the selling price of an article is $8 \%$ more than the cost price and the discount offered is $10 \%$ on the marked price of the article, then what is the ratio of the cost price to the marked price?

Ans
-1. $5: 6$
X2.8:9
X 3. 3:4
X4.4:5
Q. 21 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

| Years $\longrightarrow$ | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Motorcycles (type) |  |  |  |  |  |  |
| A | 95 | 84 | 85 | 89 | 80 | 98 |
| B | 98 | 87 | 89 | 88 | 96 | 92 |
| C | 104 | 89 | 95 | 92 | 100 | 110 |
| D | 103 | 100 | 102 | 95 | 104 | 120 |

What is the ratio of the total number of motorcycles of type B produced in 2016 and 2018 to the total number of motorcycles of type D produced in 2013, 2015 and 2016?

Ans
X1.1:2
X2.3:4
3. $3: 5$

X4.2:3
Q. 22 A sum of ₹ 8,000 invested at $10 \%$ p.a. amounts to ₹ 9,261 in a certain time, interest compounded half-yearly. What will be the compound interest (in ₹) on the same sum for the same time at double the earlier rate of interest, when interest is compounded annually?
Ans
X 1. ₹ 2,520
X 2. ₹ 2,480

- 3. ₹ 2,560

X 4. ₹ 2,500
Q. 23 A sells an article to B at a loss of $20 \%$, B sells it to C at a profit of $12.5 \%$ and C sells it to D at a loss of $8 \%$. If D buys it for $₹ 248.40$, then what is the difference between the loss incurred by A and C ?
Ans
X 1. ₹ 36.80

- 2. ₹ 38.40

X 3. ₹ 42.60
X 4. ₹ 39.20
Q. 24 If $7 \cos ^{2} \theta+3 \sin ^{2} \theta=6,0^{\circ}<\theta<90^{\circ}$, then the value of $\frac{\cot ^{2} 2 \theta+\sec ^{2} 2 \theta}{\tan ^{2} 2 \theta-\sin ^{2} 2 \theta}$ is:

Ans
-1. $\frac{52}{27}$
X2. $\frac{26}{15}$
>3. $\frac{28}{27}$
X4. $\frac{49}{45}$
Q. 25

The value of $\frac{\left(\cos 9^{\circ}+\sin 81^{\circ}\right)\left(\sec 9^{\circ}+\operatorname{cosec} 81^{\circ}\right)}{2 \sin ^{2} 63^{\circ}+1+2 \sin ^{2} 27^{\circ}}$ is:
Ans


- 2. $\frac{4}{3}$

Х3.2
X4.1

Section : English Comprehension
Q. 1 Select the most appropriate option to fill in the blank.

Being a millionaire, he is leading a $\qquad$ life.
Ans

1. expensive
< 2. conducive
X 3. destitute
2. Iuxurious
Q. 2 Select the most appropriate ANTONYM of the given word.

Sparse
Ans
X1. Costly
(2. Tranquil

X 3. Scanty
4. Abundant
Question ID : $\mathbf{3 1 4 3 6 0 1 9 4}$
Status : Answered
Chosen Option : $\mathbf{4}$
Q. 3 Select the correct passive form of the given sentence.

Did the problems you had to face discourage you?
Ans

1. Are you being discouraged by the problems you had to face?
2. Have you been discouraged by the problems you have to face?
3. Are you discouraged by the problems you had to face?
4. Were you discouraged by the problems you had to face?
Q. 4 Select the word which means the same as the group of words given.

One who is preoccupied with his own interests
Ans

- 1 . Egoist
(2. Pessimist

3 3. Atheist
X 4. Optimist
Q. 5 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Upon returning from his travels, he was forced to live in a house where his large family lived.
B. Vaikom Muhammad Basheer was a Malayalam fiction writer from Vaikom in Kerala.
C. The household was always noisy and full of chaos, no place for a writer surely!
D. Apart from family members, myriads of domestic animals also treated the house as their own.
Ans
X1. BCAD
X 2 . BCDA

- 3. BADC

X4. BDCA

## Q. 6 Select the INCORRECTLY spelt word.

Ans
(1. Ignorance
(2. Influence

- 3. Itinerent

X4. Impeach

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1) $\qquad$ 1905. With access to all the fresh milk he (2) $\qquad$ , he began producing the finest milk chocolate. The plant (3) $\qquad$ opened in a small Pennsylvania village is today the (4)___ chocolate factory in the world. The confections created here are (5) $\qquad$ around the world.

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank 1.

Ans

1. to
< 2 .at

- 3 . in

X4.on

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1) $\qquad$ 1905. With access to all the fresh milk he (2) $\qquad$ , he began producing the finest milk chocolate. The plant (3) $\qquad$ opened in a small Pennsylvania village is today the (4) $\qquad$ chocolate factory in the world. The confections created here are (5) $\qquad$ around the world.

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank 2.

Ans

1. considered
2. kneaded3. distributed
3. needed

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1) $\qquad$ 1905. With access to all the fresh milk he (2) $\qquad$ he began producing the finest milk chocolate. The plant (3) $\qquad$ opened in a small Pennsylvania village is today the (4)___ chocolate factory in the world. The confections created here are (5) $\qquad$ around the world.

SubQuestion No : 9

## Q. 9 Select the most appropriate option to fill in blank 3.

Ans

- 1. that

7 2. when
> 3. who
(4. what

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1) $\qquad$ 1905. With access to all the fresh milk he (2) $\qquad$ , he began producing the finest milk chocolate. The plant (3) $\qquad$ opened in a small Pennsylvania village is today the (4) ___ chocolate factory in the world. The confections created here are (5) $\qquad$ around the world.

SubQuestion No: 10
Q. 10 Select the most appropriate option to fill in blank 4.

Ans
<1. large
2. most largest
3. largest
4. larger

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1) $\qquad$ 1905. With access to all the fresh milk he (2) $\qquad$ , he began producing the finest milk chocolate. The plant (3) $\qquad$ opened in a small Pennsylvania village is today the (4) $\qquad$ chocolate factory in the world. The confections created here are (5) $\qquad$ around the world.

SubQuestion No: 11
Q. 11 Select the most appropriate option to fill in blank 5.

Ans
Х 1. choices

- 2. favourites

3. collections

- 4. selections
Q. 12 Select the most appropriate option to fill in the blank.

Children under five years are $\qquad$ from passport biometrics.
Ans
1 1. acquitted

- 2. exempted

X 3. escaped
<4. allowed
Q. 13 Select the word which means the same as the group of words given.

A geometrical figure with eight sides
Ans

- 1 . Octagon
< 2 . Pentagon
X 3. Hexagon
X4. Heptagon
Q. 14 Select the most appropriate meaning of the given idiom.

Bring to light
Ans

- 1. Reveal clearly

2. Cheer someone
3. Praise in public

- 4. Brighten up
Q. 15 Select the most appropriate synonym of the given word.

Fury
Ans
X1. Sin
(2. Risk

- 3. Anger

X4. Crime
Q. 16 Select the most appropriate meaning of the given idiom.

Hold water
Ans

1. To be fickle

Х 2. To be busy

- 3. To be valid

Х 4. To be deep
Q. 17 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

Your advice will benefit to me.
Ans

1. benefit from me

- 2. benefit me

X 3. No substitution
4 4. benefit for me
Q. 18 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No substitution.

Where you left your bag yesterday?
Ans
<1. No substitution
2. Where did you left

X 3. Where were you leaving
4. Where did you leave
Q. 19 Select the most appropriate ANTONYM of the given word.

Friendship
Ans
-1. Enmity
<2. Amity
< 3. Slavery
\$4. Arrogance
Q. 20 Select the correct indirect form of the given sentence.

The lawyer said to me, "There is no proof of your involvement in this case."
Ans
(1. The lawyer told that there is no proof of my involvement in that case.

- 2. The lawyer told me that there was no proof of my involvement in that case.

2. The lawyer told me that there is no proof of your involvement in this case.
3. The lawyer said me that there was no proof of my involvement in this case.
Q. 21 In the sentence identify the segment which contains the grammatical error.

I am believing you have submitted all the necessary documents.
Ans

- 1.1 am believing

Х 2. necessary documents
Х 3. you have submitted
X4. all the
Q. 22 In the sentence identify the segment which contains the grammatical error.

No sooner did we receive your message when we heaved a sigh of relief.
Ans

1. did we receive
2. a sigh of relief

X 3. your message
4. when we heaved
Question ID: 314360178
Status : Answered
Chosen Option : $\mathbf{4}$
Q. 23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Even the most ill-equipped laboratory would have been better than their shed.
B. Thus, they did not allow any difficulties to come in their way.
C. But their mind was set upon the discovery of radium.
D. The Curies had to work in extreme poverty.

Ans

- 1. DACB

X $2 . A B C D$
X 3. ADBC
X4. DBCA
Q. 24 Select the most appropriate synonym of the given word.

## Solitary

Ans

1. Singular
(2. Stubborn
( 3. Splendid
< 4. Sensible

## Q. 25 Select the INCORRECTLY spelt word.

Ans

> 2. Denial
< 3. Decision
<4. Deter

## Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | ETayari |
| :--- | :--- |
| Candidate Name | ETayari |
| Venue Name | ON Digital Zone iDZ Ramtekdi 1 |
| Exam Date | 05/03/2020 |
| Exam Time | 10:00 AM - 11:00 AM |
| Subject | CGLE Tier I |

## Section : General Intelligence and Reasoning

Q. 1 The two given expressions on both the side of the ' $=$ ' sign will have the same value if two numbers from either side or both side are interchanged. Select the correct numbers to be interchanged from the given options.
$3+5 \times 4-24 \div 3=7 \times 4-3+36 \div 6$
Ans
X 1. 24,36

- 2. 5,7

X 3. 4, 7
$\times 4.6,3$
Q. 2 Select the option in which the words share the same relationship as that shared by the given pair of words. Blunder : Error

Ans
X 1. War: Peace
X 2. Speak: Hear
$X$ 3. Anger : Rage

- 4. Euphoria : Happiness
Q. 3 Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter-cluster.

Ans

1. DFH

X 2. LNP
$X$ 3. FHJ

- 4. TVW
Q. 4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

Statements:

1. All parakeets are cuckoos.
2. All cuckoos are rabbits.
3. All rabbits are snakes.

Conclusions:
I. All parakeets are snakes.
II. All snakes are cuckoos.
III. All rabbits are parakeets.
IV. All cuckoos are snakes.

Ans
X 1. Only conclusions II and III follow.

- 2. Only conclusions I and IV follow.
$X$ 3. Only conclusions I and II follow.
X 4. All the conclusions follow.
Q. 5 Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series. f_hg_fh_gf_hg_fh_g
Ans
X 1. f, g, h, f, g, h
X 2. h, f, g, h, f, g
X 3. g, f, g, f, h, f
- 4. g, h, f, g, h, f
Q. 6 Select the option figure in which the given figure is embedded (rotation is NOT allowed).


Ans

Q. 7 Select the letter-cluster that can replace the question mark (?) in the following series.
aYd, fTi, kOn, pJs, ?
Ans
X 1. uEw
X ${ }^{2}$. uFw

- 3. uEx

X4. VeX
Q. 8 Select the option that is related to the third word in the same way as the second word is related to the first word.

Ministers : Council :: Sailors : ?
Ans
X 1. Sea
2. Crew

X 3. Ship
X 4. Captain
Q. 9 Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?
qv56jk89lm
Ans
mles>iдटvp
X ${ }^{2}$ mla8)leट vp

X 4 mleskiə己 vp
Q. 10 In a certain code language, U is written as $\mathrm{C}, \mathrm{K}$ is written as $\mathrm{H}, \mathrm{L}$ is written as $\mathrm{U}, \mathrm{N}$ is written as $\mathrm{E}, \mathrm{S}$ is written as L , E is written as K , and C is written as N . How will ' KNUCKLES ' be written as in that language?

Ans
. HECNHUKL
X 2. HECNHULK
X 3. KECNKUHL
X 4. CHUECKN
Q. 11 If each letter of the English alphabet is assigned an odd numerical value in increasing order, such as $\mathrm{A}=1, \mathrm{~B}=3$ and so on, then what will be the code of HONEY?

Ans
X 1.152927947
X 2. 132725745

- 3. 152927949
$\times 4.132725747$
Q. 12 Shaan has a total of $₹ 5,500$ with him. He buys product ' $Z$ ' at $₹ 5,000$ from this sum and then sells it to another person, thus making a profit of $15 \%$ on it. With all the money he has now, he buys product ' X ' and then sells it to another person making a profit of $25 \%$ on it. What is the total money Shaan has now?

Ans
X 1. ₹7,187.50

- 2. ₹ $7,812.50$

X 3. ₹ $6,325.50$
X4. ₹ $7,815.50$
Q. 13 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 10 | 4 | 14 | 35 |
| :--- | :--- | :--- | :--- |
| 15 | 3 | 5 | 25 |
| 14 | 7 | 6 | 12 |
| 18 | $?$ | 8 | 16 |

Ans
>1. 8
<2. 6
<3.7
4. 9
Q. 14 There is a family of five members: $\mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}$ and O . Among them, there is one married couple. O is unmarried and is the brother of $\mathrm{K} . \mathrm{N}$ is the sister of $\mathrm{O} . \mathrm{M}$ is the only married female and the mother of $\mathrm{N} . \mathrm{L}$ and O are the only males in the group.
Who is the father of K ?
Ans
X 1. M
$\times 2.0$
X 3. K
4. L
Q. 15 चार शब्द दिए गए हैं, जिनमें से तीन किसी न किसी तरह समान हैं और एक असमान है। उस असमान शब्द का चयन करें।
Ans
Х1. दरिद्रता
2. समृद्धि

Х3. अभाव
(4. कंगाली
Q. 16 Four positions of the same dice are shown. Select the number that will be on the face opposite to the one showing ' 3 '.


Ans
X1. 6
$\times 2.2$
X 3.4

- 4. 5
Q. 17 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
$72: 108:: 84: ?:: 102: 153$
Ans
-1. 126
X2. 117
$\times 3.144$
$\times 4.135$
Q. 18 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.
Ans
X 1. 121-145
X 2. 289-325
- 3. 225-241

X4.169-197
Q. 19 Select the option in which the numbers are related in the same way as are the numbers in the given set.
$(13,65,117)$
Ans
X $1 .(17,85,163)$
$\times 2 .(12,55,109)$
X 3. $(14,70,127)$

- 4. $(15,75,135)$
Q. 20 Select the number that can replace the question mark (?) in the following series.
$40,37,43,34,46$, ?
Ans
X 1.51
X2. 41
- 3. 31
$\times 4.61$
Q. 21 How many triangles are present in the given figure?


Ans
-1. 23
$\times 2.21$
X 3.22
X4. 20
https://haryanajobs.in
Q. 22 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 23 Arrange the following in a logical sequence from small to big.

1. Crocodile
2. Lizard
3. Whale
4. Housefly
5. Monkey

Ans
-1. $4,2,5,1,3$
X2. $4,5,2,1,3$
X 3. $3,5,4,1,2$
X4.4,3,2,1,5
Q. 24 Select the figure that can replace the question mark (?) in the following series.


Ans
 badminton, the circle represents female students, and the pentagon represents students playing football. The numbers given in the diagram represent the number of persons in that particular category.


How many female students play both table tennis and badminton?
Ans
-1. 7
$\times 2.9$
$\times 3.22$
$\times 4.18$

## Section : General Awareness

Q. 1 VISHWAS, which is a major e-governance initiative launched by the government in January 2020, is the acronym for which of the following?
Ans

1. Video Integration and State Wide Advanced System
2. Video Integration and System Wide Advanced Security
< 3. Video Interface and State Wide Advanced Security

- 4. Video Integration and State Wide Advanced Security
Q. 2 The 23rd National Youth Festival (NYF) 2020 was celebrated in Lucknow to commemorate the birth anniversary of $\qquad$
Ans
(1. Jawaharlal Nehru

X 2. Mahatma Gandhi
X 3. Sardar Vallabhbhai Patel

- 4. Swami Vivekananda
Q. 3 The police of which state was honoured with the President's Colours award in December 2019?
Ans

1. Maharashtra
< 2. Kerala

- 3. Gujarat4. Tamil Nadu
Q. 4 Which of the following rivers flows through Tiruttani a famous pilgrimage place of South India?

Ans
< 1. Kaveri

- 2. Nandi
< 3. Vaigai
<4. Palar
Q. 5 Ishwar Sharma has been honoured with the Global Child Prodigy Award 2020. What is this award associated with?

Ans
X 1 . Sports
< 2. Science
ง 3. Yoga
(4. Literature
Q. 6 Which National Park among the following is the largest protected area in the Eastern Himalayan sub-region?
Ans

1. Bandipur National Park

- 2. Namdapha National Park

3. Keibul Lamjao National Park

Х 4. Jim Corbett National Park
Q. 7 As per the government rules, how much percentage of advance tax needs to be paid by 15th June by an individual who is liable to pay advance tax?
Ans

- $1.15 \%$
>2.10\%
< $3.25 \%$
< $4.30 \%$
Q. 8 What is the colour of the light emitted by the Sun?

Ans

- 1. White
< 2. Red
< 3. Yellow

4. Orange
Q. 9 Pongal festival is celebrated for four days in Tamil Nadu. What is the fourth day of Pongal called?

Ans
X 1. Thai Pongal

- 2. Kaanum Pongal

3. Mattu Pongal
(4. Bhogi Pongal
Q. 10 The Indian Railways has integrated its helpline numbers into a single number. What is the number?
Ans
X1. 160

- 2.139

X 3.150
X 4.145
Q. 11 Chiropody is a branch of science related to which part of the body?

Ans
X 1 . Lungs
(2. Kidney3. Feet

Х4. Liver
Q. 12 G. Babita Rayudu took charge as an Executive Director for which of the following organisations in January 2020?
Ans
v 1. The Securities and Exchange Board of India
X 2. Bombay Stock Exchange
3. Small Industries Development Bank of India
4. Insurance Regulatory and Development Authority of India
Q. 13 The researchers of which academic institution employed the nanoscale phenomenon called 'Electrokinetic streaming potential' to harvest energy from flowing water on a small scale like water flowing through household water taps?
Ans

1. IIT Guwahati

X 2. IIT Madras
Х 3 .IIT Delhi
X4.IIT Bombay
Q. 14 In terms of area, which state has the largest forest cover in India?

Ans
X 1 . Kerala
v 2. Madhya Pradesh
X 3. Odisha
< 4. Maharashtra
Q. 15 Which district has been awarded the Plastic Waste Management Award - 2020 for being the best district of India in the plastic waste management category during Swachhta Hi Seva 2019?
Ans

1. Jorhat

Х 2 . Hojai

- 3. Dibrugarh

X4. Majuli
Q. 16 In which year was the Currency Building in the BBD Bagh or Dalhousie area of Kolkata constructed?
Ans
Х 1.1910
Х 2.1850
Х 3.1900

- 4.1833
Q. 17 Which is the first Indian company to hit the ₹ 10 lakh crore mark in market capitalisation?

Ans
Х 1. Tata Consultancy Services
2. Reliance Industries

X 3. HDFC Bank
(4.ICICI Bank
Q. 18 The famous 11-day long 'Dhanu Jatra', considered as the largest open-air theatre of the world is celebrated in which state?
Ans

- 1. Odisha

X 2. Manipur
X 3. Meghalaya
X 4.Assam
Q. 19 Which dynasty built the pancha rathas of Mahabalipuram?

Ans
< 1. Chola
< 2. Chera
< 3. Satavahana
4. Pallava
Q. 20 In January 2020, B. Sai Deepak set a Guinness World Record for most side lunges in 60 seconds. How many lunges did he do?
Ans
< 1.50
<2.30

- 3.59
<4.40
Q. 21 In which year was the Nahargarh Fort in Jaipur built by Maharaja Sawai Jai Singh II ?

Ans

<2. 1805
< 3.1780
< 4.1800
Q. 22 Jasprit Bumrah has been selected to receive which of the following awards for his performance in international cricket in the 2018-19 season?

Ans
Х 1. C.K. Nayudu
< 2. Madhavrao Scindia
Х 3. M.A. Chidambaram

- 4. Polly Umrigar
Q. 23 What was the theme of the 107th Indian Science Congress held in Bengaluru?

Ans
Х 1. Future India : Science and Technology
X 2. Science and Technology for National Development
(3. Reaching the Unreached through Science and Technology
4. Science and Technology: Rural Development
Q. 24 In which of the following locations was the Quit India Movement launched by Mahatma Gandhi in 1942?
Ans
入 1. Shivaji Park
$\checkmark 2$
2. August Kranti Maidan
< 3. Jallianwala Bagh
(4. Pragati Maidan
Q. 25 Name the law in Physics which states that equal volume of all gases under the same conditions of temperature and pressure contain equal number of molecules.

Ans

- 1. Avogadro's Law
< 2. Boyles's Law
X 3. Ohm's Law
(4. Charles's Law


## Section : Quantitative Aptitude

Q. 1 If $16 a^{4}+36 a^{2} b^{2}+81 b^{4}=91$ and $4 a^{2}+9 b^{2}-6 a b=13$, then what is the value of $3 a b$ ?

Ans
X 1. -3
$\times 2.5$
$\times 3 . \frac{3}{2}$
-4. $-\frac{3}{2}$
Q. 2 D is the midpoint of side BC of $\triangle A B C$. Point E lies on AC such that $\mathrm{CE}=\frac{1}{3} \mathrm{AC}$. BE and AD intersect at G . What is $\frac{A G}{G D}$ ?

Ans
-1. $4: 1$
X2.8:3
X 3. $3: 1$
X4.5:2
Q. 3 The given table represents the exports (in ₹ crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

| Item |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Year |  |  |  |  |

What is the ratio of the total exports of item A in 2014 and 2015 to the total exports of item C in 2011 and 2015?
Ans
-1. $3: 2$
X2.7:5
X 3.5:4
X4.4:3
Q. 4 The average of 24 numbers is 56 . The average of the first 10 numbers is 71.7 and that of the next 11 numbers is 42 . The next three numbers (i.e., $22^{\text {nd }}, 23^{\text {rd }}$ and $24^{\text {th }}$ ) are in the ratio $\frac{1}{2}: \frac{1}{3}: \frac{5}{12}$. What is the average of the $22^{\text {nd }}$ and $24^{\text {th }}$ numbers?
Ans

- 1. 60.5
$\times 2.58$
X 3. 55
X 4.49 .5
Q. 5 The value of $\frac{\sec ^{6} \theta-\tan ^{6} \theta-3 \sec ^{2} \theta \tan ^{2} \theta+1}{\cos ^{4} \theta-\sin ^{4} \theta+2 \sin ^{2} \theta+2}$ is:

Ans
X1. $\frac{3}{4}$

- 2. $\frac{2}{3}$
$\times 3 . \frac{1}{2}$
$\times 4.1$
Q. 6 If $\mathrm{P}=\frac{x^{3}+y^{3}}{(x-y)^{2}+3 x y}, \mathrm{Q}=\frac{(x+y)^{2}-3 x y}{x^{3}-y^{3}}$ and $\mathrm{R}=\frac{(x+y)^{2}+(x-y)^{2}}{x^{2}-y^{2}}$, then what is the value of $(P \div Q) \times R$ ?

Ans
X 1. $2 x y$

- 2. $2\left(x^{2}+y^{2}\right)$

X 3. $x^{2}+y^{2}$
X4. $4 x y$
Q. 7 The compound interest on a certain sum at $16 \frac{2}{3} \%$ p.a. for 3 years is $₹ 6,350$. What will be the simple interest on the same sum at the same rate for $5 \frac{2}{3}$ years?

Ans

- 1. ₹ 10,200

X 2. ₹ 7,620
X 3. ₹ 11,400
X 4. ₹ 9,600
Q. 8 A train takes $2 \frac{1}{2}$ hours less for a journey of 300 km , if its speed is increased by $20 \mathrm{~km} / \mathrm{h}$ from its usual speed. How much time will it take to cover a distance of 192 km at its usual speed?
Ans
$X 1.6$ hours
2. 4.8 hours
$X$ 3. 3 hours
X4. 2.4 hours
Q. 9 The given table represents the exports (in ₹crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

|  | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: |
| 2010 | 240 | 128 | 180 | 214 |
| 2011 | 250 | 134 | 244 | 282 |
| 2012 | 225 | 138 | 230 | 247 |
| 2013 | 370 | 169 | 340 | 224 |
| 2014 | 425 | 182 | 300 | 309 |
| 2015 | 400 | 209 | 306 | 275 |

The total exports of item A from 2012 to 2014 is what percentage less than the total exports of all the four items in 2015 ? (Correct to one decimal place)
Ans
X $1.15 .2 \%$
X 2. 13.8\%
X 3. 16.7\%

- $4.14 .3 \%$
Q. 10 If $x^{2}-2 \sqrt{5} x+1=0$, then what is the value of $x^{5}+\frac{1}{x^{5}}$ ?

Ans
⒈ $408 \sqrt{5}$

- 2. $610 \sqrt{5}$
$\times 3.406 \sqrt{5}$
X4. $612 \sqrt{5}$
Q. 11 The diagonal of a square A is $(a+b)$ units. What is the area (in square units) of the square drawn on the diagonal of square B whose area is twice the area of A ?

Ans
X1. $4(a+b)^{2}$
X2. $(a+b)^{2}$
X3. $8(a+b)^{2}$

- 4. $2(a+b)^{2}$
Q. 12 The given table represents the exports (in ₹ crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

| Item |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Year |  |  |  |  |
| 2010 | 240 | 128 | 180 | 214 |
| 2011 | 250 | 134 | 244 | 282 |
| 2012 | 225 | 138 | 230 | 247 |
| 2013 | 370 | 169 | 340 | 224 |
| 2014 | 425 | 182 | 300 | 309 |
| 2015 | 400 | 209 | 306 | 275 |

The total exports of item D in 2010, 2012 and 2014 is what percentage of the total exports of all the four items in 2011 and 2012?
Ans
-1. $44 \%$
X2. $44.8 \%$
$\times 3.45 \%$
X4. 46.2\%
Q. 13 A shopkeeper bought 80 kg of rice at a discount of $10 \%$. Besides 1 kg rice was offered free to him on the purchase of every 20 kg rice. If he sells the rice at the marked price, his profit percentage will be:

Ans
X $1.15 \frac{3}{7} \%$

- 2. $16 \frac{2}{3} \%$

X 3. $14 \frac{2}{7} \%$
X4. $15 \frac{1}{3} \%$
Q. 14 Pipes A and B can fill a tank in 10 hours and 40 hours, respectively. C is an outlet pipe attached to the tank. If all the three pipes are opened simultaneously, it takes 80 minutes more time than what $A$ and $B$ together take to fill the tank. $A$ and $B$ are kept opened for 7 hours and then closed and $C$ was opened. $C$ will now empty the tank in:

Ans
X 1.42 hours
$X 2.45 .5$ hours

- 3. 49 hours

X4. 38.5 hours
Q. 15 The given table represents the exports (in ₹crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

| Item <br> Year |  |  |  | A |
| :--- | :--- | :--- | :--- | :--- |
| 2010 | 240 | 128 | 180 | 214 |
| 2011 | 250 | 134 | 244 | 282 |
| 2012 | 225 | 138 | 230 | 247 |
| 2013 | 370 | 169 | 340 | 224 |
| 2014 | 425 | 182 | 300 | 309 |
| 2015 | 400 | 209 | 306 | 275 |

In which year, the exports of item $D$ were 1.4 times the average exports of item $B$ during six years?
Ans

1. 2013

X 2. 2012
X 3. 2014
X4. 2011
Q. 16

If $5 \sin \theta=4$, then the value of $\frac{\sec \theta+4 \cot \theta}{4 \tan \theta-5 \cos \theta}$ is:
Ans
-1. 2
$\times 2 . \frac{5}{4}$
X 3. $\frac{3}{2}$
$\times 4.1$
Q. 17 In an examination in which the full marks were 500 , A scored $25 \%$ more marks than B, B scored $60 \%$ more marks than C and C scored $20 \%$ less marks than D. If A scored $80 \%$ marks, then the percentage of marks obtained by D is:

Ans
X 1. $65 \%$
X 2. $60 \%$

- 3. $50 \%$
$\times 4.54 \%$
Q. 18 Two chords AB and CD of a circle with centre O intersect each other at P . If $\angle A P C=95^{\circ}$ and $\angle A O D=110^{\circ}$, then $\angle B O C$ is:

Ans
$\times 1.65^{\circ}$
$\times 2.70^{\circ}$
$\times 3.55^{\circ}$

- 4. $60^{\circ}$
Q. 19 In $\triangle A B C, \angle C=90^{\circ}, A C=5 \mathrm{~cm}$ and $B C=12 \mathrm{~cm}$. The bisector of $\angle A$ meets $B C$ at $D$. What is the length of $A D$ ?

Ans

- 1. $\frac{5 \sqrt{13}}{3} \mathrm{~cm}$

X2. $2 \sqrt{13} \mathrm{~cm}$
X 3. $\frac{4}{3} \sqrt{13} \mathrm{~cm}$
X4. $\frac{2}{3} \sqrt{13} \mathrm{~cm}$
Q. 20 The ratio of the ages of $A$ and $B, 8$ years ago, was $2: 3$. Four years ago, the ratio of their ages was $5: 7$. What will be the ratio of their ages 8 years from now?

Ans
-1. $4: 5$
X 2. 3:4
X $3.7: 8$
$\times 4.5: 6$
Q. 21

The value of $\frac{3 \frac{2}{3} \div \frac{11}{30} \text { of } \frac{2}{3}-\frac{1}{4} \text { of } 2 \frac{1}{2} \div \frac{3}{5} \times 4 \frac{4}{5}}{\frac{2}{5} \text { of } 7 \frac{1}{2} \div \frac{3}{4}-\frac{3}{4} \times 1 \frac{1}{2} \div 2 \frac{1}{4}}$
Ans
X1. $2 \frac{2}{9}$
X 2. $\frac{10}{21}$

- 3. $2 \frac{6}{7}$
$\times 4.3 \frac{4}{7}$
Q. 22 Sudha sold an article to Renu for ₹ 576 at a loss of $20 \%$. Renu spent a sum of $₹ 224$ on its transportation and sold it to Raghu at a price which would have given Sudha a profit of $24 \%$. The percentage of gain for Renu is:

Ans
X 1. 13.2\%
2. $11.6 \%$
$\times 3.10 .5 \%$
X 4. 12.9\%
Q. 23 If $12 \cos ^{2} \theta-2 \sin ^{2} \theta+3 \cos \theta=3,0^{\circ}<\theta<90^{\circ}$, then what is the value of $\frac{\operatorname{cosec} \theta+\sec \theta}{\tan \theta+\cot \theta}$ ?

Ans
X $1 \cdot \frac{1+2 \sqrt{2}}{2}$
人2. $\frac{2+\sqrt{3}}{4}$
$x$
3. $\frac{4+\sqrt{3}}{4}$
4. $\frac{1+\sqrt{3}}{2}$
Q. 24 If the nine-digit number $708 x 6 y 8 z 9$ is divisible by 99 , then what is the value of $x+y+z$ ?

Ans
X1. 27
>2. 5

- 3.16
>4.9
Q. 25 Sides $A B$ and $D C$ of a cyclic quadrilateral $A B C D$ are produced to meet at $E$, and sides $A D$ and $B C$ are produced to meet at F . If $\angle A D C=75^{\circ}$, and $\angle B E C=52^{\circ}$, then the difference between $\angle B A D$ and $\angle A F B$ is:
Ans
-1. $31^{\circ}$
X2. $22^{\circ}$
Х3. $21^{\circ}$
X4. $23^{\circ}$


## Section : English Comprehension

Q. 1 In the sentence identify the segment which contains the grammatical error.

Modern man is completely engross in the mad pursuit of material pleasures and luxuries.
Ans

1. material pleasures and luxuries
2. mad pursuit of

- 3. completely engross4. Modern man is
Q. 2 Select the most appropriate meaning of the given idiom

A bed of roses
Ans

1. A difficult path
2. A pleasant perfume

- 3. An easy and happy situation

4. A valley full of flowers

## Q. 3 Select the correct passive form of the given sentence.

They offered me a chair
Ans

1. A chair was being offered to me.
2. I offered a chair to them.
3. I was offered a chair by them.
4. A chair is offered to me by them.
Q. 4 Select the correct indirect form of the given sentence.
"What a good idea!", Seema remarked.
Ans
Х 1. Seema exclaimed that the idea is good.

- 2. Seema exclaimed that it was a very good idea.

3. Seema told what an idea!
4. Seema said what a good idea it is.

## Q. 5 Select the most appropriate word to fill in the blank.

I like both tea and coffee but prefer the $\qquad$ -.
Ans

< 2. last
< 3. least
\$ 4. later

## Q. 6 Select the most appropriate meaning of the given idiom

A close-fisted person
Ans
Х1. A cruel person
2. A kind person3. A miserly person
4. A strong person

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A (1) $\qquad$ of trucks carrying soldiers was coming down the mountain road. The trucks (2) _ slowly as there had been heavy snowfall in that area. Suddenly, with a (3) $\qquad$ a huge tree on the hill side fell bringing along with it boulders and mud. (4) $\qquad$ the driver of first truck stopped in time. The soldiers got down and started (5) $\qquad$ the road.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank no. 1

Ans

2. flock
3.bevy4. crew

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
$\qquad$ of trucks carrying soldiers was coming down the mountain road. The trucks (2) _ slowly as there had been heavy snowfall in that area. Suddenly, with a (3) ____ a huge tree on the hill side fell bringing along with it boulders and mud. (4) $\qquad$ the driver of first truck stopped in time. The soldiers got down and started (5) $\qquad$ the road.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank no. 2

Ans
入 1. was moving2. were moving
>
3. has moved4. are moving

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A (1) $\qquad$ of trucks carrying soldiers was coming down the mountain road. The trucks (2)
$\qquad$ slowly a tree on the hill side fell bringing along with it boulders and mud. (4) $\qquad$ the driver of first truck stopped in time. The soldiers got down and started (5) $\qquad$ the road.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank no. 3

Ans
1.scream
2.buzz

- 3. crash
(4. splash


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
$\qquad$ of trucks carrying soldiers was coming down the mountain road. The trucks (2) _ slowly as there had been heavy snowfall in that area. Suddenly, with a (3) ____ a huge tree on the hill side fell bringing along with it boulders and mud. (4) ____, the driver of first truck stopped in time. The soldiers got down and started (5) $\qquad$ the road.

SubQuestion No: 10
Q. 10 Select the most appropriate option for blank no. 4

Ans

1. Similarly
2. Magically
$\checkmark$
3. Fortunately4. Logically

## Comprehension

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A (1) $\qquad$ of trucks carrying soldiers was coming down the mountain road. The trucks (2)
$\qquad$ slowly as there had been heavy snowfall in that area. Suddenly, with a (3) $\qquad$ a huge tree on the hill side fell bringing along with it boulders and mud. (4) $\qquad$ the driver of first truck stopped in time. The soldiers got down and started (5) $\qquad$ the road.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank no. 5

Ans

1. altering
2. clearing
3. changing4. moving
Q. 12 Select the most appropriate word to fill in the blank.

He tried to $\qquad$ my ring.
Ans
<1. stile
Х 2 . steel

- 3. steal

4. still
Q. 13 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. He is a gifted volleyball player.
B. But now a days he does not play international matches.
C. It is because he had an accident last year.
D. Sanjay is my best friend.

Ans

Q. 14 Select the wrongly spelt word.

Ans
< 1. Cremator
$\checkmark$
2. Creater

X 3. Cricketer
\$4. Cracker
Q. 15 Select one word for the following group of words.

One who loves his country
Ans
1 1. Collaborator
X 2. Conspirator

- 3. Patriot
(4. Traitor
Q. 16 In the sentence identify the segment which contains the grammatical error.

My brother, who live in Delhi, has written me a letter.
Ans

1. My brother
2. me a letter

- 3. who live in Delhi

4. has written
Q. 17 Select synonym of the given word.

EXPENSIVE
Ans
Х 1 . Sober

- 2. Dear

X3. Gentle
4. Mild
Q. 18 Select synonym of the given word.

RETAIN
Ans

1. Destroy
< 2. Gain
X 3. Convey
2. Maintain
Q. 19 Select the most appropriate segment to substitute the underlined segment of the given sentence. If no substitution is required, select 'No substitution'.

Hardly had he sit on the chair than it broke.
Ans
< 1. sat onto a chair then
(2. No substitution
3. sat on the chair when
4. 4it in the chair when
Q. 20 Select the word which means the same as the group of words given.

Incapable of paying debts
Ans

- 1. Insolvent

2. Corrupt

X 3. Obsolete
<4. Extravagant
Q. 21 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Aesop was one of them who lived in Greece about 2500 years ago.
B. He told many interesting stories to the people.
C. There were many talented people in ancient Greece.
D. Although he was ugly, he had a very clever brain.

Ans
<1. BDAC2. CADB
< 3. BADC
< 4. CDBA
Q. 22 Select the most appropriate word to substitute the underlined word of the given sentence. If no substitution is required, select 'No improvement'.

The diver dive in the pool from a great height.
Ans

1. No improvement

- 2. dived into the pool

3. dives to a pool
4. dived at the pool
Q. 23 Select antonym of the given word.

DEXTERITY
Ans
Х 1. Mastery
2. Ignorance

X 3. Agility
(4. Skill
Q. 24 Select the wrongly spelt word.

Ans
Х 1. Champion
2. Chouffer

X 3. Charisma
<4. Choir
Q. 25 Select antonym of the given word.

DIVIDE
Ans
X 1 . Engulf

- 2. Unite

X 3. Break
(4. Split

## Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | ON Digital Zone iDZ Ramakrishna Colony |
| Exam Date | 05/03/2020 |
| Exam Time | $1: 00$ PM $-2: 00$ PM |
| Subject | CGLE Tier I |

## Section: General Intelligence and Reasoning

Q. 1 Vineet, Rajesh and Kriti have different amounts of money with them. Rajesh has just double the amount of money than Vineet. The total amount of money that Rajesh and Kriti have is ₹ 147 . Kriti has ₹ 6 more than the amount Vineet has. How much money does Kriti have?
Ans
X 1. ₹64

- 2. ₹53

X 3 . ₹50
X4. ₹ 72
Q. 2 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

$\square$


Ans


Q. 3 Select the letter-cluster that can replace the question mark (?) in the following series.

SAT, VEW, YIZ, ? , EUF
Ans
-1. BOC
$X$ 2. BUK
$X$ 3. FIC
X4. COD
Q. 4 Select the option in which the numbers are related in the same way as are the numbers in the given set. $(7,98,196)$

Ans
X 1. $(15,190,380)$
X2. $(18,185,360)$

- 3. $(11,154,308)$

X $4 .(20,267,520)$
Q. 5 Select the dice that can be formed by folding the given sheet along the lines.


Ans
$X 1$. Only A and B

- 2. Only A

X 3. Only B
X 4. Only C and D
Q. 6 Arrange the following words in the order in which they would appear in an English dictionary.

1. Category
2. Caption
3. Captain
4. Capsule
5. Capacity

Ans $\quad$ 1. $5,4,3,1,2$

- 2. $5,4,3,2,1$

X3.4,5,3,2,1
X4.5,4,1,3,2
Q. 7 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 21 | 18 | 32 |
| :--- | :--- | :--- |
| 19 | 22 | $?$ |
| 299 | 296 | 348 |

Ans
-1. 14
$\times 2.24$
>3. 30
X4. 28
Q. 8 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
$X$ 1. NRW
$X$ 2. PTY

- 3. ADL

X4. LPU
Q. 9 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
X 1. Rabies

- 2. Schizophrenia
$X$ 3. Polio
X 4. Measles
Q. 10 Pointing to the photograph of Sanchi, Nitin said, "Her mother's father's son's wife is my mother-in-law's only daughter". How is Nitin related to Sanchi's mother?
Ans
$X$ 1. Paternal uncle
$X$ 2. Paternal grandfather
X 3. Maternal uncle

4. Brother
Q. 11 Which of the following Venn diagram best represents the relationship between the following classes? Income tax payers, Employees, Males
Ans
Х 1

$\checkmark 2$.

Х 3.

$x 4$
Q. 12 'Vertebrate' is related to 'Monkey' in the same way as 'Invertebrate' is related to ' $\qquad$ '.
Ans
5. Starfish
$X$ 2. Snake
$X$ 3. Deer
X4. Frog
Q. 13 Select the option that is related to the third number in the same way as the second number is related to the first number.

4 : 69 :: 11 :?
Ans
X 1.1029
$\times 2.198$
$\times 3.176$

- 4.1336
Q. 14 In a certain code language, 'CAUGHT' is coded as ' 326212087 '. How will 'SOLDER' be coded as in that language?

Ans
X 1. 2012152358

- 2. 1912122359

X 3. 1915124359
X4. 1812122459
Q. 15 Which two signs and two numbers should be interchanged to make the given equation correct?
$11 \times 7 \div 35-64+56=47$
Ans
$\times 1 .+$ and $-; 7$ and 11
2. $\times$ and $\div ; 35$ and 11
$\times 3 . \times$ and $\div ; 35$ and 56
$\times 4 .+$ and $-; 35$ and 11
Q. 16 Select the correct mirror image of the given figure when a mirror is placed on its right side.


Ans

Q. 17 Select the letter-cluster that can replace the question mark (?) in the following series.

AR, CP, ?, GL, IJ, KH
Ans
X 1. DM
X 2. DN

- 3. EN

X4. EM
Q. 18 Select the number that can replace the question mark (?) in the following series.
$61,63,65,77,89, ?, 149,205$
Ans
$\times 1.115$
$\times 2.123$

- 3. 119
$\times 4.132$
Q. 19 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest
Ans
X1.17:323
X2. $23: 667$
- 3. $19: 475$

X4.11:143
Q. 20 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 21 In a certain code language, 'SANCTION' is written as 'XFSHODJ'. How will 'PROFOUND' be written as in that
language?
Ans

1. UWTKJPIY

X 2. UWTKKPIZ
$X$ 3. UXTKNQIY
X 4. VWUKMPIY
Q. 22 Select the option in which the words share the same relationship as that shared by the given pair of words.

Examination : Invigilator
Ans

1. Election : Observer

X 2. Bank: Loan
$X$ 3. Film : Comedian
X 4. Inspection : Approval
Q. 23 How many triangles are there in the given figure?


Ans
$\times 1.34$
$\times 2.33$

- 3.32
$\times 4.35$
Q. 24 Select the option that is embedded in the given figure X (rotation is not allowed).


Figure-X
Ans

v 3.

$\times 4$.

Q. 25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

Statements:

1. Some papers are copies.
2. No copy is an eraser.

Conclusions:
I. Some copies are papers.
II. Some papers are erasers.
III. No paper is an eraser.

Ans
X 1. Only conclusion II and either conclusion I or III follow.
X 2. Only conclusions I and II follow.

- 3. Only conclusion I and either conclusion II or III follow.

X 4. Only conclusions I and III follow.

## Q. 1 The Indian Army is set to commission the first batch of women soldiers by year

Ans
$\qquad$
X1. 2020
Х 2.2022
$\checkmark$
3. 20214. 2023
Q. 2 Part VIII of the Constitution of India deals with $\qquad$ -
Ans
X 1

1. States2. Municipalities

- 3

3. Union Territories4. Panchayats

## Q. 3 Which of the following is NOT located in Odisha?

Ans $\quad$ 1. Mayurbhanj Elephant Reserve
Х 2. Sambalpur Elephant Reserve
3. Sonitpur Elephant Reserve

X 4. Mahanadi Elephant Reserve
Q. 4 Which of the following is NOT an ore of iron?

Ans
-1. Cuprite
Х 2 . Haematite
(3. Magnetite
<4. Siderite
Q. 5 The National Commission for Backward Classes (NCBC) was formed by insertion of Article $\qquad$ in the Constitution of India.
Ans $\times 1.328 \mathrm{~B}$
>2.328A
入3.338A

- 4.338 B
Q. 6 Name the first female amputee to climb Mount Everest.

Ans $\times$ 1. Premlata Agarwal

- 2. Arunima Sinha

X 3. Poorna Malavath
(4. Anshu Jamsenpa
Q. 7 Pernicious anaemia is caused by the deficiency of vitamin $\qquad$ -.
Ans
>1.B2
> ${ }^{2}$. B 6
X 3 B1
ง 4 . B12
Q. 8 India won its ___ successive title at the South Asian Football Federation Women's Championship in March 2019.
Ans

1. fourth
${ }_{2 .}$ sixth
2. fifth
Q. 9 The excavated remains of $\qquad$ found near Patna in Bihar was inscribed as a World Heritage Site by UNESCO in July 2016.
Ans
< 1. Ashoka Pillar
\$ 2. Ellora Caves
(3. Sanchi Stupa4. Nalanda Mahavihara
Q. 10 The headquarters of the Board of Control for Cricket in India ( BCCl ) are located in

Ans
 1. Bengaluru

- 2. Mumbai

Х 3. Kolkata
<4. Delhi
Q. 11 Name the first Lieutenant Governor of the Union Territory of Jammu and Kashmir.

Ans

1. Arif Mohammad Khan
2. Bhagat Singh Koshyari
3. Satya Pal Malik
v 4. Girish Chandra Murmu
Q. 12 $\qquad$ is also known as the 'Golden City'.
Ans
4. Dungarpur
5. Jodhpur
6. Bundi
7. Jaisalmer
Q. 13 The aggregate value of goods and services produced in an economy can be calculated by three methods: income method, expenditure method and $\qquad$ method.

Ans

1. product / value added
(2. spending3. deposit4. lending
Q. 14 $\qquad$ renounced his knighthood in protest for Jalianwalla Bagh mass killing.
Ans $\quad$ 1. Jamsetjee Jejeebhoy

- 2. Rabindranath Tagore

Х 3. Shivajirao Holkar
7 4. Surendranath Banerjee
Q. 15 'Dharmaraja (Yudhishthir) Ratha', 'Bhima Ratha', 'Arjuna Ratha' and 'Nakula Sahadeva Ratha' are four of the Panch Rathas at Mahabalipuram. What is the name of the fifth Ratha?

Ans
(1. Bhishma Ratha
< 2. Krishna Ratha
( 3. Karna Ratha

- 4. Draupadi Ratha
Q. 16 The $\qquad$ in China is the world's longest man-made waterway.

Ans
Х 1 . Suzhou Canal
< 2. Kiel Canal

- 3. Corinth Canal
- 4. Grand Canal
Q. 17 The Gadar (or Ghadar) Party was formed in the year $\qquad$ .
Ans
Х1. 1921
> 2.1918
Х 3.1915

4. 1913
Q. 18 Alai-Darwaza, the southern gateway of the Quwwat-ul-Islam mosque in Delhi, was constructed by $\qquad$ _.
Ans
Х 1. Mu'izz ad-Din Muhammad Ghori
5. Ahmad Shāh Durrani

- 3. Ala-ud-din Khilji

4. Muhammad bin Tughluq
Q. 19 The Indus Waters Treaty was signed between India and Pakistan on $\qquad$ .
Ans

- 1. 19 September 1960

X 2. 12 November 1959
Х 3. 16 December 1963
Х4. 18 October 1969
Q. 20 $\qquad$ are homogeneous mixtures of two or more components.
Ans

1. Amalgams

- 2. Solutions

X 3. Enzymes
X4. Emulsions
Q. 21 The total number of images formed by two mirrors inclined at $120^{\circ}$ to each other is
$\qquad$
Ans
<1.4
$>2.3$

- 3.2
$<4$.
Q. 22 Depreciation is an annual allowance for the wear and tear of $\qquad$ -.
Ans

1. work in progress
> 2. land
< 3. finished goods

- 4. capital goods

| Question ID : | $\mathbf{8 1 6 1 6 1 2 5 2}$ |
| ---: | :--- |
| Status : |  |
| Not Attempted and |  |
| Marked For Review |  |

Q. 23 The Padma Awards are announced around $\qquad$ every year.

Ans1. Republic Day
$<2$
2. Sadbhavana Diwas
< 3. Independence Day
<4. Hindi Diwas
Q. 24 Which of the following can be used as a catalyst in Hydrogenation reaction?

Ans
X1. Barium
Х ${ }^{2}$. Iron
X 3 . Tungsten4. Palladium
Q. 25 The 'Hyderabad Fund' had been held by the $\qquad$ in the account of the High Commissioner of Pakistan to the UK, Habib Ibrahim Rahimtoola.

Ans

1. Bank of England
2. National Westminster Bank
3. Butterfield Private Bank
(4. Kingdom Bank

Section : Quantitative Aptitude
Q. 1 In $\triangle A B C, \angle B=90^{\circ}$. If points D and E are on side BC such that $\mathrm{BD}=\mathrm{DE}=\mathrm{EC}$, then which of the following is true?

Ans
X 1. $5 A E^{2}=2 A C^{2}+3 A D^{2}$
X2. $8 A E^{2}=5 A C^{2}+3 A D^{2}$

- 3. $8 A E^{2}=3 A C^{2}+5 A D^{2}$

Х4. $5 A E^{2}=3 A C^{2}+2 A D^{2}$
Q. 2 When a positive integer is divided by d , the remainder is 15 . When ten times of the same number is divided by d , the remainder is 6 . The least possible value of $d$ is:
Ans
X1.9
2. 16

X 3.18
X4. 12
Q. 3 Reema sold 48 articles for ₹ 2,160 and suffered a loss of $10 \%$. How many articles should she sell for ₹ 2,016 to earn a profit of $12 \%$ ?
Ans

1. 36
$\times 2.40$
X 3.28
$\times 4.32$
Q. 4 A and B together borrowed a sum of $₹ 51,750$ at an interest rate of $7 \%$ p.a. compound interest in such a way that to settle the loan, A paid as much amount after three years as paid by B after 4 years from the day of borrowing. The sum (in ₹) borrowed by A was:
Ans
X 1. 25,650

- 2. 26,750

X 3. 25,000
X4. 24,860
Q. $5 \frac{x^{2}(x-4)^{2}}{(x+4)^{2}-4 x} \div \frac{\left(x^{2}-4 x\right)^{3}}{(x+4)^{2}} \times \frac{64-x^{3}}{16-x^{2}}$ is equal to:

Ans
<1. $\frac{x-4}{x+4}$
Х2. $\frac{x+4}{x(4-x)}$
3. $\frac{x+4}{x(x-4)}$

人4. $\frac{x+4}{x-4}$
Q. 6 The marked price of an item is $25 \%$ above its cost price. A shopkeeper sells it, allowing a discount of $x \%$ on the marked price. If he incurs a loss of $8 \%$, then the value of $x$ is:
Ans
X 1. $25.6 \%$
X2. $26.8 \%$

- 3. $26.4 \%$

Х4. $25.2 \%$
Q. 7 What $x$ is added to each of $10,16,22$ and 32 , the numbers so obtained in this order are in proportion? What is the mean proportional between the numbers $(x+1)$ and $(3 x+1)$ ?
Ans
$\times 1.12$
$\times 2.9$

- 3.15
$\times 4.10$
Q. 8

What is the value of $\frac{\operatorname{cosec}\left(78^{\circ}+\theta\right)-\sec \left(12^{\circ}-\theta\right)-\tan \left(67^{\circ}+\theta\right)+\cot \left(23^{\circ}-\theta\right)}{\tan 13^{\circ} \tan 37^{\circ} \tan 45^{\circ} \tan 53^{\circ} \tan 77^{\circ}}$ ?
Ans
X1.1

- 2. 0

X3. 2
Х4. -1
Q. 9 The average of some numbers is 54.6 . If $75 \%$ of the numbers are increased by 5.6 each, and the rest are decreased by 8.4 each, then what is the average of the numbers so obtained?

Ans
$X 1.55 .6$
X 2.55 .8

- 3. 56.7

X4. 56.3
Q. 10 Diameter $A B$ of a circle with centre $O$ is produced to a point $P$ such that $P O=16.8 \mathrm{~cm}$. $P Q R$ is a secant which intersects the circle at $Q$ and $R$ such that $P Q=12 \mathrm{~cm}$ and $P R=19.2 \mathrm{~cm}$. The length of $A B($ in cm$)$ is:
Ans
$\times 1.14 .2$
$\times 2.15 .2$
$\times 3.15 .8$

- 4.14 .4
Q.11 A boat can go 3.6 km upstream and 5.4 km downstream in 54 minutes, while it can go 5.4 km upstream and 3.6 km downstream in 58.5 minutes. The time (in minutes) taken by the boat in going 10 km downstream is:
Ans
X1. 48
- 2. 50
$\times 3.45$
$\times 4.54$
Q. 12 If $5 \cos \theta-12 \sin \theta=0$, then what is the value of $\frac{1+\sin \theta+\cos \theta}{1-\sin \theta+\cos \theta}$ ?

Ans
$\times 1 . \frac{5}{4}$

- 2. $\frac{3}{2}$
×3. $\frac{3}{4}$
Х4. $\frac{5}{2}$
Q. 13 The given table represents the sale (in thousands) of cars by four companies A, B, C and D in six years. Study the table and answer the question that follows.

| Company |  | A | B | C |
| :--- | :--- | :--- | :--- | :--- |
| P ( $\downarrow$ | D |  |  |  |
| 2013 | 45 | 63 | 65 | 67 |
| 2014 | 52 | 49 | 60 | 69 |
| 2015 | 61 | 60 | 66 | 67 |
| 2016 | 72 | 58 | 70 | 63 |
| 2017 | 52 | 53 | 63 | 75 |
| 2018 | 63 | 67 | 76 | 74 |

The total number of cars sold by companies A in 2017 and C in 2013 is what percentage of the total number of cars sold by all four companies in 2013 and 2016? (correct to one decimal place)
Ans
X 1.23 .8
X 2.24 .2
X 3.25 .6

- 4.23 .3
Q. 14 If $11 \sin ^{2} \theta-\cos ^{2} \theta+4 \sin \theta-4=0,0^{\circ}<\theta<90^{\circ}$, then what is the value of $\frac{\cos 2 \theta+\cot 2 \theta}{\sec 2 \theta-\tan 2 \theta}$ ?

Ans


X2. $\frac{12+5 \sqrt{3}}{3}$
Х3. $\frac{10+5 \sqrt{3}}{3}$
X4. $\frac{10+7 \sqrt{3}}{6}$
Q. 15 If the radius of a right circular cylinder is decreased by $10 \%$, and the height is increased by $20 \%$, then the percentage increase/decrease in its volume is:
Ans

1. increase by $2.8 \%$

X 2. decrease by $1.8 \%$
X 3. increase by $1.8 \%$
4. decrease by $2.8 \%$
Q. 16 ABCD is a cyclic quadrilateral in which sides AD and BC are produced to meet at $P$, and sides $D C$ and $A B$ meet at $Q$ when produced. If $\angle A=60^{\circ}$ and $\angle A B C=72^{\circ}$, then $\angle D P C-\angle B Q C=$
Ans
-1. $36^{\circ}$
X 2. $30^{\circ}$
$\times 3.24^{\circ}$
$\times 4.40^{\circ}$
Q. 17 The given table represents the sale (in thousands) of cars by four companies A, B, C and D in six years. Study the table and answer the question that follows.

| Company |  | A | B | C |
| :--- | :--- | :--- | :--- | :--- |
| $\mathrm{Pear} \downarrow$ | D |  |  |  |
| 2013 | 45 | 63 | 65 | 67 |
| 2014 | 52 | 49 | 60 | 69 |
| 2015 | 61 | 60 | 66 | 67 |
| 2016 | 72 | 58 | 70 | 63 |
| 2017 | 52 | 53 | 63 | 75 |
| 2018 | 63 | 67 | 76 | 74 |

The total number of cars sold by company C in 2018 exceeds the average number of cars sold by company A during 2014 to 2018 by:

Ans
X 1.15,000
X 2. 14,000

- 3. 16,000

X4.12,000
Q. 18 A and B spend $60 \%$ and $75 \%$ of their incomes, respectively. If the savings of A are $20 \%$ more than that of B, then by what percentage is the income of $A$ less than the income of $B$ ?

Ans
<1. 15
X2. 20
$\times 3.10$

- 4.25
Q. 19 The given table represents the sale (in thousands) of cars by four companies A, B, C and D in six years. Study the table and answer the question that follows.

| Company | A | B | C | D |
| :--- | :--- | :--- | :--- | :--- |
| 2013 | 45 | 63 | 65 | 67 |
| 2014 | 52 | 49 | 60 | 69 |
| 2015 | 61 | 60 | 66 | 67 |
| 2016 | 72 | 58 | 70 | 63 |
| 2017 | 52 | 53 | 63 | 75 |
| 2018 | 63 | 67 | 76 | 74 |

The total number of cars sold by company B during 2015, 2017 and 2018 is what percentage less than the total number of cars sold by company C in 2013, 2015, 2017 and 2018?

Ans
$\times 1.16 \frac{2}{3}$

- 2. $33 \frac{1}{3}$
$\times 3.50$
$\times 4.40$
Q. 20 To complete a certain task, X is $40 \%$ more efficient than Y , and Z is $40 \%$ less efficient than Y . Working together, they can complete the task in 21 days. Y and Z together worked for 35 days. The remaining work will be completed by A alone in:
Ans
X1. 8 days
$\times 2.4$ days
X 3. 6 days

4. 5 days
Q. 21 The given table represents the sale (in thousands) of cars by four companies A, B, C and D in six years. Study the table and answer the question that follows.

| Company |  | A | B | C |
| :--- | :--- | :--- | :--- | :--- |
| $\mathrm{Pear} \downarrow$ | D |  |  |  |
| 2013 | 45 | 63 | 65 | 67 |
| 2014 | 52 | 49 | 60 | 69 |
| 2015 | 61 | 60 | 66 | 67 |
| 2016 | 72 | 58 | 70 | 63 |
| 2017 | 52 | 53 | 63 | 75 |
| 2018 | 63 | 67 | 76 | 74 |

What is the ratio of the total number of cars sold by companies A, B and D in 2017 to the total number of cars sold by all four companies in 2018?
Ans
X1.3:4
X2. 6:13
$\checkmark 3$
3. $9: 14$
+4.18:23
Q. 22 The value of $\frac{3}{5} \times 1 \frac{7}{8} \div 1 \frac{1}{3}$ of $\frac{3}{16}-\left(3 \frac{1}{5} \div 4 \frac{1}{2}\right.$ of $\left.5 \frac{1}{3}\right) \times 2 \frac{1}{2}+\frac{1}{2}+\frac{1}{8} \div \frac{1}{4}$ is:

Ans
X1. $4 \frac{1}{3}$2. $5 \frac{5}{6}$

- 3

3. $5 \frac{1}{6}$
$\times 4.4 \frac{1}{8}$
Q. 23 In $\triangle P Q R, \mathrm{PQ}=24 \mathrm{~cm}$ and $\angle Q=58^{\circ}$. S and T are the points on side PQ and PR , respectively, such that $\angle S T R=122^{\circ}$. If $P S=14 \mathrm{~cm}$ and $P T=12 \mathrm{~cm}$, then the length of $R T$ is:

Ans
$X 1.14 .8 \mathrm{~cm}$

- 2. 16 cm

X 3.15 cm
$\times 4.16 .4 \mathrm{~cm}$
Q. 24 If $x^{4}+x^{2} y^{2}+y^{4}=273$ and $x^{2}-x y+y^{2}=13$, then the value of $x y$ is:

Ans
-1. 4
$\times 2.10$
$\times 3.6$
$\times 4.8$
Q. 25 If $20 x^{2}-30 x+1=0$, then what is the value of $25 x^{2}+\frac{1}{16 x^{2}}$ ?

Ans
$\times 1.58 \frac{3}{4}$

- 2. $53 \frac{3}{4}$
$\times 3.53 \frac{1}{2}$
$\times 4.58 \frac{1}{2}$


## Section : English Comprehension

Q. 1 Select the correctly spelt word.

Ans
Х1. Beaureacracy
2. Recrutment
3. Reimbursement

X 4. Surveliance
Q. 2 Select the appropriate meaning of the given idiom.

To take the bull by the horns
Ans

1. To speak arrogantly
2. To murder someone
3. To surrender to the enemy

- 4. To handle difficulties
Q. 3 Given below are four jumbled sentences. Select the option that gives their correct order.
A. Although I had a fear of water, I thought it was an important skill I should learn. B. However, what I didn't realize was that it would also make me a more confident person.
C. I also thought it would be a good exercise that would make me physically stronger.
D. One of the hardest things I've had to do was to learn how to swim.

Ans
X 1. dсba
Х 2. АСDB

- 3. DACB
> 4. BADC
Q. 4 Select the correctly spelt word.

Ans

- 1. Definition
\$ 2. Competiter
< 3. Proliferete
\$4. Beneficiery
Q. 5 Select the correct synonym of the given word.

Erudite
Ans

- 1. Learned
<2. Strong
(3. Fashionable
(4. Illiterate
Q. 6 Select the passive form of the given sentence.

They are constructing a residential youth hostel.
Ans
\$ 1. A residential youth hostel is constructed by them.
Х 2. A residential youth hostel was constructed by them.
《3. A residential youth hostel has been constructed by them.
4. A residential youth hostel is being constructed by them.
Question ID: 816161302
Status : Answered
Chosen Option: $\mathbf{4}$

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Drug addiction is the continued use of a particular drug (1) $\qquad$ harmful consequences.
Drug addiction not only affects an individual's health and relationship, but also (2) $\qquad$ the society and the environment. Prevention of a particular list of drugs can be possible by (3) $\qquad$ their sale without a prescription. Drug addicts should be given proper medical treatment and (4) $\qquad$ facilities. Motivational and awareness camps should be organized to scale down the consumption (5) $\qquad$ drugs.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank No. 1

Ans

$$
\begin{aligned}
& \text { 1. despite of } \\
& \text { 2. though } \\
& \text { 3. in spite } \\
& \text { 4. despite }
\end{aligned}
$$

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Drug addiction is the continued use of a particular drug (1) $\qquad$ harmful consequences.
Drug addiction not only affects an individual's health and relationship, but also (2) $\qquad$ the society and the environment. Prevention of a particular list of drugs can be possible by (3) $\qquad$ their sale without a prescription. Drug addicts should be given proper medical treatment and (4) $\qquad$ facilities. Motivational and awareness camps should be organized to
scale down the consumption (5) $\qquad$ drugs.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank No. 2

Ans
<1.imparts

- 2 . impacts
- 3. reflects

Х 4. reduces

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Drug addiction is the continued use of a particular drug (1) $\qquad$ harmful consequences.
Drug addiction not only affects an individual's health and relationship, but also (2) $\qquad$ the society and the environment. Prevention of a particular list of drugs can be possible by (3) $\qquad$ their sale without a prescription. Drug addicts should be given proper medical treatment and (4) $\qquad$ facilities. Motivational and awareness camps should be organized to scale down the consumption (5) $\qquad$ drugs.

SubQuestion No : 9
Q. 9 Select the most appropriate option for blank No. 3

Ans
< 1. conducting
2. restricting3. performing
4. promoting

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Drug addiction is the continued use of a particular drug (1) $\qquad$ harmful consequences.
Drug addiction not only affects an individual's health and relationship, but also (2) $\qquad$ the society and the environment. Prevention of a particular list of drugs can be possible by (3) $\qquad$ their sale without a prescription. Drug addicts should be given proper medical treatment and (4) $\qquad$ facilities. Motivational and awareness camps should be organized to scale down the consumption (5) $\qquad$ drugs.

SubQuestion No: 10
Q. 10 Select the most appropriate option for blank No. 4

Ans
入1. regeneration
Х 2. resignation
3. rehabilitation
4. regression

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Drug addiction is the continued use of a particular drug (1) $\qquad$ harmful consequences.
Drug addiction not only affects an individual's health and relationship, but also (2) $\qquad$ the society and the environment. Prevention of a particular list of drugs can be possible by (3) $\qquad$ their sale without a prescription. Drug addicts should be given proper medical treatment and (4) $\qquad$ facilities. Motivational and awareness camps should be organized to
scale down the consumption (5) $\qquad$ drugs.

SubQuestion No: 11
Q. 11 Select the most appropriate option for blank No. 5

Ans
X 1. for

- 2. of
> 3.from
X4.by
Q. 12 Select the correct antonym of the given word.

Allure
Ans
X 1. Revive
2. Rewind

- 3. Repulse
(4. Attract
Q. 13 Select the word which means the same as the groups of words given.


## A long and aggressive speech

Ans
\$2. Eloquence
(3. Prologue
\$4. Discussion
Q. 14 Select the word which means the same as the groups of words given.

The school or college in which one has been educated
Ans

- 1. Alma mater
< 2. Alumni
- 3. Graduate
\$4. Mentor
Question ID : 816161320
Status : Answered
Chosen Option : $\mathbf{1}$
Q. 15 Given below are four jumbled sentences. Select the option that gives their correct order.
A. During the celebration, many people display a set of ornamental dolls known as 'Hina' dolls.
B. Hinamatsuri is a celebration of the girls in Japan wishing them a bright future.
C. These royal-looking dolls are dressed in the clothing of the Heian period.
D. These dolls represent the Emperor, Empress and other royal representatives.

Ans
X1. CDBA
X ${ }^{2}$. ACBD
X 3 . DBAC

- 4. BADC
Q. 16 In the sentence identify the segment which contains the grammatical error.

The old man did not wanted to eat any food.
Ans
<1. to eat

- 2. did not wanted

3. any food
4. The old man
Q. 17 Select the most appropriate word to fill in the blank.

All students should express their $\qquad$ views in the group discussion without any fear.
Ans

1. outspoken

X 2. guarded
-3. candid
X4. secluded
Q. 18 Select the most appropriate word to fill in the blank.

All his endeavors to win his teacher's favour proved $\qquad$ and did not bring the desired results.
Ans
(1. perpetual

- 2. futile

X 3. apparent
\$4. prosperous
Q. 19 In the sentence identify the segment which contains the grammatical error.

No least than fifty participants were present for the singing competition.
Ans

1. No least than
2. the singing competition
3. fifty participants were
4. present for
Q. 20 Select the correct antonym of the given word.

Bizarre
Ans

1. Strange

- 2. Usual

X 3. Happy
X4. Weird
Q. 21 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Many of a students were not shortlisted for the personal interview.
Ans
1 1. No improvement
2. Many of students
3. The many student
4. Many of the students
Q. 22 Select the appropriate meaning of the given idiom.

To flog a dead horse
Ans

- 1 . To waste the efforts

2. To accept the challenge

- 3. To complete the work

4. To make the best use of resources
Question ID: 816161319
Status : Answered
Chosen Option : $\mathbf{1}$
Q. 23 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

When I was working in a software company, it was mandatory to register my legally_as an authorized software developer.
Ans

1. register me legal

- 2. register myself legally

X 3. register mine legally
Х4. No improvement
Q. 24 Select the correct indirect form of the given sentence.
"Hello", he said to his friend. "What can I do for you?"
Ans

1. He said hello and asked his friend what can do for him.
2. He asked and greeted his friend that what he can do for him.

- 3. He greeted his friend and asked what he could do for him.

4. He told hello and asked his friend what he could do for him.
Q. 25 Select the correct synonym of the given word.

Violent
Ans

1. Kind
< 2 . Mild
> 3. Calm

- 4. Aggressive

Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | ON Digital Zone iDZ 2 Patia |
| Exam Date | 05/03/2020 |
| Exam Time | 4:00 PM - 5:00 PM |
| Subject | CGLE Tier I |

## Section : General Intelligence and Reasoning

Q. 1 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 3 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 42 | 37 | $?$ |
| :--- | :--- | :--- |
| 18 | 24 | 36 |
| 252 | 296 | 540 |

Ans
X1. 55
2. 45
$\times 3.50$
$\times 4.40$
Q. 4 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
$X$ 1. ORUX
$X$ 2. JMPS

- 3. PSVX
X. ZCFI
Q. $5 \mathrm{~A}+\mathrm{B}$ means ' A is the mother of B ';
$A-B$ means ' $A$ is the brother of $B$ ';
$A \times B$ means ' $A$ is the father of $B$ ';
$A \div B$ means ' $A$ is the daughter of $B$ '.
If, $\mathrm{P}-\mathrm{K} \times \mathrm{Y}-\mathrm{J} \div \mathrm{S}+\mathrm{R}$, then which of the following statements is NOT correct?
Ans $\quad \times 1 . \mathrm{K}$ is husband of S .
X2. Y is son of S .
- 3. J is daughter of P .
(4. P is paternal uncle of R .
Q. 6 Select the number that can replace the question mark (?) in the following series.
$45,47,53,65,85$, ?
Ans
X1. 105
- 2. 115
$\times 3.130$
X 4.145
Q. 7 Three different positions of the same dice are shown, the six faces of which are numbered from 1 to 6 . Select the number that will be on the face opposite to the one showing ' 6 '.


Ans
>1. 2
>2. 4
Х3.5
2. 3
Q. 8 How many triangles are there in the given figure?


Ans
$\times 1.27$
X 2. 24

- 3.25

X4. 26
Q. 9 'Criticise' is related to 'Condemn' in the same way as 'Solidarity' is related to ' $\qquad$ ,
Ans
$X$ 1. Prosperity
$X$ 2. Atrocious
$X$ 3. Guilty

- 4. Unity
Q. 10 Which two signs and two numbers should be interchanged to make the given equation correct?
$28-32 \div 2 \times 8+34=132$
Ans
$X 1 . \times$ and $-; 32$ and 34
$\times 2+$ and $-; 28$ and 32
$X 3 . \times$ and $-; 8$ and 2

4.     + and $-; 32$ and 34
Q. 11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

1. No bottle is a pen.
2. All jugs are bottles.

Conclusions:
I. Some jugs are pens.
II. No jug is pen.
III. Some bottles are jugs.

Ans
$X$ 1. All conclusions I, II and III follow.
X 2. Either conclusion I or II follows.

- 3. Only conclusions II and III follow.

X 4. Conclusion III and either conclusion I or II follow.
Q. 12 Select the option in which the words share the same relationship as that shared by the given pair of words.

Player: Team
Ans

1. Flower : Bouquet
$X$ 2. Purpose : Crowd
$X$ 3. Ant: Bee
X 4. Student: Teacher
Q. 13 In a class of 100 students, every student has passed in one or more of the three subjects, i.e. History, Economics and English. Among all the students, 24 students have passed in English only, 14 students have passed in History only, 11 students have passed in both English and Economics only, and 12 students have passed in both English and History only. A total of 50 students have passed in History. If only 5 students have passed in all three subjects, then how many students have passed in Economics only?
Ans
$\times 1.18$
$\times 2.10$
X 3. 20
2. 15
Q. 14 In a certain code language, 'AUSTERE' is coded as ' 13102595 '. How will 'SETTING' be coded as in that language?

Ans
X 1. 11522867
2. 10522957

X 3. 11544957
$\times 4.10522948$
Q. 15 Select the letter that can replace the question mark (?) in the following series.

A, T, E, U, I, V, O, W, ?, X
Ans
X 1.R

- 2. U

X 3. M
X4. Z
Q. 16 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans $X$ 1. Pancreas
$X$ 2. Kidney

- 3. Renin

X4. Liver
Q. 17 Select the correct mirror image of the given figure when a vertical mirror is placed on the right side of the figure.


Ans

X 2

$>3$.

$>4$.

Q. 18 Select the option in which the numbers are related in the same way as are the numbers in the given set.
$(8,7,407)$
Ans $\quad X 1 .(12,8,555)$
X2. $(10,8,576)$
X 3. $(11,12,450)$

- 4. $(9,6,297)$
Q. 19 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

$>2$

73. $\left\lvert\, \begin{array}{cc}\stackrel{0}{-} & \stackrel{0}{-} \\ 0 & 0 \\ 0 & 0 \\ 0 & \ddots\end{array}\right.$

X4. $\left.\left\lvert\, \begin{array}{ccc}0 & 0 & 0 \\ 0 & 0 \\ 0 & 0 \\ 0 & 0 \\ 0 & 0 & 0\end{array}\right.\right]$
Q. 20 Select the option in which the given figure X is embedded (rotation is not allowed).


Figure $X$
Ans

$\times 4$.

Q. 21 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
Ans
X1. $4209: 15$
X 2. $7456: 22$

- 3. $5121: 12$

X4.8101:10
Q. 22 Select the option that is related to the third number in the same way as the second number is related to the first number.

13 : 109 :: 24 : ?
Ans
$\times 1.194$
X 2. 201
$X$
3. 216
4. 197
Q. 23 Which of the following Venn diagrams best represents the relationship between the following classes?

Cricketers, Players, Human beings
Ans
$\gg$
$\checkmark 2$.

<3.

$>4$

Q. 24 Select the letter-cluster that can replace the question mark (?) in the following series.

TULG, WRPC, ZOTY, CLXU, ?
Ans

- 1. FIBQ

X 2. FICR
X 3. FJCQ
X4. GIAQ
Q. 25 Arrange the following words in a logical and meaningful order.

1. Colonel
2. Field Marshal
3. Brigadier

## 4. Lieutenant

5. General

Ans
X 1. 1, 2, 3, 5, 4

- 2. $2,5,3,1,4$

X 3. 2, 5, 1, 4, 3
X4.3,5,2, 4, 1

## Section : General Awareness

Q. 1 In which of the following cities is the tomb of Rani of Jhansi situated?

Ans

- 1. Gwalior

Х 2. Jabalpur
<3. Indore
$>$
4. Ujjain
Q. 2 In which of the following states was the 12th naval exercise 'Naseem-AI-Bahr' between India and Oman held?
Ans

- 1. Goa
(2. Gujarat

X
3. Kerala
4. Tamilnadu
Q. 3 Which of the following is used as a substitute of mercury in thermometers?

Ans
X1. Arsenic
$\checkmark$
2. Galinstan
3. Selenium4. Bromine
Q. 4 In memory of whom is the Madhavpur Mela of Gujarat celebrated?

Ans

1. Lord Shiva and Parvati
2. Lord Krishna and Rukmini

K
3. Lord Krishna and Radha
4. Lord Krishna and Draupadi

## Q. 5 Berach River, a southern-side tributary of Banas River, originates from the hills in

 which of the following districts of Rajasthan?Ans
X 1. Bharatpur
7
2. Jaisalmer3. Bikaner
4. Udaipur
Q. 6 According to data available as of 2019, how many national parks are situated in India?

Ans
> 1.140
<2. 115

- 3.1044. 131
Q. 7 Who among the following is the chairman of the 15th Finance Commission of India?

Ans
(1. Ramesh Chand
2. Subhash Chandra Garg

- 3. NK Singh4. Arvind Mehta
Q. 8 Who was honoured with the 1st recipient of the Muppavarapu National Award for Social Service at Hyderabad on 9th January 2020?

Ans

1. Dr. Gutta Muniratnam2. Dr. Mankombu Sambasivan Swaminathan3. Chandra Pal Singh Yadav
2. Uttam Prakash Agarwal
Q. 9 Which of the following Viceroys of India addressed the Bengal famine of 1943 by ordering the army to distribute relief supplies to the starving rural Bengalis?

Ans

1. Lord Mountbatten

7
2. Lord Wavell

X 3. Lord Willington

- 4. Lord Linlithgow
Q. 10 Which of the following authorities launched PPRTMS (Political Parties Registration Tracking Management System)?
Ans

1. National Human Rights Commission
2. The Supreme Court3. The Union Public Service Commission
3. Election Commission of India
Q. 11 Who among the following scientists invented the Cotton Gin?

Ans
1 1. Sonny Perdue
X 2. Norman Borlaugh

- 3. Eli Whitney
(4. George Washington Carver
Q. 12 Which of the following academies organise the Tansen Sangeet Samaroh in Gwalior?

Ans

1. Ravindra Jain Sangeet Academy2. Renuka Sangeet Academy

X 3. Muntirama Sangeet Academy
4. Ustad Alauddin Khan Kala Evam Sangeet Academy
Q. 13 Who among the following Indian weightlifters has been banned for four years by NADA after being found guilty of a doping violation during the 34th Women Senior National Weightlifting Championship held at Vishakhapatnam?
Ans
Х 1. Satheesha Rai2. Seema
3. Sarbjeet Kaur4. Sanamacha Thingbaijani Chanu
Q. 14 The International Naval event 'Milan' is scheduled to be held in $\qquad$ in March 2020.
Ans1. Visakhapatnam
2. Kochi
$\times$
3. Mumbai4. Kolkata

## Q. 15 What is the ranking of India in the World Economic Forums (WEF)'s World Travel, Tourism Competitiveness Index for the year 2019?

Ans
Х 1.31
$>$
2. 373. 39
4. 34
Q. 16 Which of the following acids is NOT present in grapes?

Ans
X1. Malic acid2. Acetic acid
$\$$
3. Tartaric acid4. Citric acid

## Q. 17 Who among the following founded the Bombay Stock Exchange?

Ans1. Ashiskumar Chauhan
2. Roychand Deepchand3. Premchand Roychand4. Vikramjit Sen
Q. 18 Which of the following is also known as Epsom salt?

Ans1. Sodium Sulphate
2. Magnesium Sulphate
$\$$
3. Calcium Sulphate
4. Ferrous Sulphate
Q. 19 How many national highways were merged to form National Highway 44 (NH 44)?

Ans

Question ID : 123568248
Status : Answered
Chosen Option: 3
Q. 20 Who among the following conceived the Kakori train robbery in 1925?

Ans
(1. Baikuntha Shukla

Х 2. Manmath Nath Gupta and Matangini Hazra

- 3. Ram Prasad Bismil and Ashfaqullah Khan
(4. Ubaidullah Sindhi
Q. 21 In which of the following years was the Congress Socialist Party (CSP) founded?

Ans
v 1.19342. 1914
< 3.1943
X 4. 1924
Q. 22 Under which Article of the Indian Constitution are special provisions provided to language spoken in a section of the population?
Ans
v 1. Article 347
< 2. Article 357
$\$$
3. Article 3374. Article 374

## Q. 23 Who among the following has been appointed as Director of National Book Trust on 11th January 2020?

Ans
X

1. Gobinde Prashad Sharma2. Leela Samson3. Lt Col Yuvraj Malik
2. Rita Chowdhury
Q. 24 Which of the following is used to control pest fish?

Ans
X

1. Predacides
2. Ovicides

K
3. Herbicides
4. Piscicides
Q. 25 Which of the following companies has roped in cricketer Harbhajan Singh as its brand ambassador in 2019?

Ans

1. Brune \& Bareskin
2. PUMA3. Reebok
3. TAFE

## Section : Quantitative Aptitude

Q. 1 In the given figure, if $\angle K L N=58^{\circ}$, then $\angle K M N=$ ?


Ans
$\times 1.42^{\circ}$
$\times 2.32^{\circ}$

- $3.58^{\circ}$
$\times 4.26^{\circ}$
Q. 2 If $x-\frac{1}{x}=11$, then $x^{3}-\frac{1}{x^{3}}$ is:

Ans
$\times 1.1474$
$\times 2.1188$

- 3. 1364

X 4.1298
Q. 3 The distance between two stations, $A$ and $B$, is 428 km . A train starts from station ' $A$ ' at 6:00 a.m. and moves towards station ' $B$ ' at an average speed of $48 \mathrm{~km} / \mathrm{h}$. Another train starts from station ' $B$ ' at $6: 20 \mathrm{a} . \mathrm{m}$. and moves towards station 'A' at an average speed of $55 \mathrm{~km} / \mathrm{h}$. At what time will the trains meet?
Ans
X 10:00 a.m.
$X$
2. 10:40 a.m.
$X$
3. 9:40 a.m.
4. 10:20 a.m.
Q. 4 A certain amount is divided among Sunita, Amit and Vibha in the ratio of $2: 3: 4$. If Vibha gets $₹ 14,416$, then the total amount is:

Ans

1. ₹ 16,219
2. ₹ 32,436

Х 3 . ₹ 3,604
X4. ₹ 43,248
Q. $5 \quad(\mathrm{a}+\mathrm{b}+\mathrm{c}-\mathrm{d})^{2}-(a-b-c+d)^{2}=$ ?

Ans
X 1. $2 \mathrm{a}(\mathrm{b}+\mathrm{c}+\mathrm{d})$

- 2. $4 \mathrm{a}(\mathrm{b}+\mathrm{c}-\mathrm{d})$

X 3. $2 \mathrm{a}(\mathrm{b}+\mathrm{c}-\mathrm{d})$
X 4. $4 \mathrm{a}(\mathrm{b}+\mathrm{c}+\mathrm{d})$
Q. 6 In the given figure, if $D E \| B C, \mathrm{AD}=2.5 \mathrm{~cm}, \mathrm{DB}=3.5 \mathrm{~cm}$ and $\mathrm{EC}=4.2 \mathrm{~cm}$, then the measure of AC is:


1. 7.2 cm
$\times 2.3 .2 \mathrm{~cm}$
$X 3.7 .4 \mathrm{~cm}$4. 3 cm
Q. 7 The following table shows the number of students enrolled in different faculties in a college.

| Science |  | Arts |  | Commerce |  | Vocational |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Girls | Boys | Girls | Boys | Girls | Boys | Girls | Boys |
| 32 | 18 | 28 | 45 | 42 | 42 | 13 | 30 |

The percentage of students studying in faculties other than Science is:
Ans
-1. $80 \%$
X2. $60 \%$
X 3. $20 \%$
×4.75\%
Q. 8 The perimeter of a square is 64 cm . Its area will be:

Ans
X $1.128 \mathrm{~cm}^{2}$2. $256 \mathrm{~cm}^{2}$

X $3.32 \mathrm{~cm}^{2}$
X $4.8 \mathrm{~cm}^{2}$
Q. 9 If angles of a triangle are in the ratio of $2: 3: 4$, then the measure of the smallest angle is:

Ans
$\times 1.20^{\circ}$
$X$
2. $30^{\circ}$

- 3. $40^{\circ}$
$\times 4.50^{\circ}$
Q. 10 The following table shows the income (in rupees) for a particular month, together with their source, in respect of 5 employees (A, B, C, D and E).

|  | A | B | C | D | E |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Salary | 52,000 | 48,500 | 42,000 | 31,000 | 25,000 |
| Overtime | 0 | 0 | 1,500 | 2,500 | 3,200 |
| Arrears | 5,500 | 4,500 | 4,000 | 3,000 | 1,500 |
| Bonus | 3,500 | 3,000 | 2,500 | 2,000 | 2,000 |
| Miscellaneous income | 5,000 | 3,000 | 2,000 | 1,500 | 0 |
| Total | 66,000 | 59,000 | 52,000 | 40,000 | 31,700 |

How many employees got more arrears than the average arrears received by all the employees?
Ans
X1. 2

- 2. 

$\times 3.1$
$\times 4.4$
Q. 11 The value of $-1+\frac{1}{4} \div \frac{1}{2} \times 2+5$ is:

Ans
-1. 5
$\times 2.2$
$X$
3. $\frac{17}{4}$

X4. $-\frac{7}{2}$
Q. 12 Sixteen men can finish a work in 8 days. Eight men and nine women working together can finish the same work in 10 days. In how many days will twenty women finish the same work?
Ans
-1. 12
Х2.9
入3.11
<4. 13
Q. 13 The value of $\sqrt{\tan ^{2} 60^{\circ}+\sin 90^{\circ}}-2 \tan 45^{\circ}$ is:

Ans $X 1.2$
$\times 2.4$

- 3.0
$\times 4.1$
Q. 14 The value of $\cos 0^{\circ} \cos 30^{\circ} \cos 45^{\circ} \cos 60^{\circ} \cos 90^{\circ}$ is:

Ans
$X 1 \cdot \frac{\sqrt{6}}{8}$
$\times$
2. 5
3. 04. 3
Q. 15 The greatest number which should be replace '*' in the number $146 * 48$ to make it divisible by 8 is:

Ans
<1. 2
<2. 0
<3.9
4. 8
Q. 16 A certain amount of money at compound interest grows to ₹ 66,550 in 3 years and $₹ 73,205$ in 4 years. The rate per cent per annum is:
Ans
-1. $10 \%$
$\times 2.5 \%$
$X$
3. $9 \%$

X $4.11 \%$
Q. 17 The heights of some girls in a school were noted and the data obtained are as shown in the table.

| Height <br> (in cm) | $125-$ <br> 130 | $130-$ <br> 135 | $135-$ <br> 140 | $140-$ <br> 145 | $145-$ <br> 150 | $150-$ <br> 155 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Number of <br> girls | 12 | 16 | 20 | 29 | 15 | 8 |

How many girls have a height of 135 cm or more but less than 150 cm ?
Ans
X1. 35
X2. 883. 644. 80
Q. 18 If $\tan \theta-\cot \theta=\operatorname{cosec} \theta, 0^{\circ}<\theta<90^{\circ}$, then what is the value of $\frac{2 \tan \theta-\cos \theta}{\sqrt{3} \cot \theta+\sec \theta}$ ?

Ans
$X$
$\frac{2(2 \sqrt{3}-1)}{3}$2. $\frac{4 \sqrt{3}-1}{6}$
$X 3$
3. $\frac{3 \sqrt{3}-1}{6}$

X4. $\frac{2 \sqrt{3}-1}{3}$
Q. 19 The average height of 5 boys is 175 cm . A sixth boy joined the group and the average height of all the boys in the group now increased by one centimetre. The height of the sixth boy is:
Ans
$X 1.180 \mathrm{~cm}$

- 2. 181 cm

X 3. 179 cm
$\times 4.175 \mathrm{~cm}$
Q. 20 The following table shows the monthly salaries (in ₹) of 50 families.

| Salary <br> (in ₹) | $25,000-$ $30,000-$ <br> 30,000 35,000 | $40,000-$ | $40,000-$ | $45,000-$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Number of <br> families | 6 | 12 | 9 | 19,000 | 50,000 |

How many families have a monthly salary less than ₹ 40,000 ?
Ans
X1. 46
$\times 2.9$
X
3. 18
4. 27
Q. 21 The coefficient of $x^{2}$ in $(2 x+y)^{3}$ is:

Ans
ス1. $12 y^{2}$2. $12 y$3. 8
4. 12
Q. 22 The price of sugar is increased by $20 \%$. By what percentage must one cut down on the consumption of sugar, so that no extra amount has to be incurred on sugar?
Ans

- 1. $16 \frac{2}{3} \%$

X 2. $20 \%$
$\times$ 3. $83 \frac{1}{3} \%$
X $4.80 \%$
Q. 23 In the figure, Two circles with centres P and Q touch externally at R . Tangents AT and BT meet the common tangent TR at T . If $\mathrm{AP}=6 \mathrm{~cm}$ and $\mathrm{PT}=10 \mathrm{~cm}$, then $\mathrm{BT}=$ ?


Ans

1. 8 cm

X 2.10 cm
X 3.6 cm
X 4.12 cm
Q. 24 A furniture shopkeeper allows a discount of $16 \%$ on the marked price on the goods to his customers and still gains $20 \%$. What is the marked price of a dining table, which costs the shopkeeper ₹ 11,900 ?

Ans
X 1. ₹ 12,3762. ₹ 15,000

- 3. ₹ 17,0004. ₹ 16,000
Q. 25 Sudhir purchased a laptop for $₹ 42,000$ and a scanner-cum-printer for $₹ 8,000$. He sold the laptop for a $10 \%$ profit and the scanner-cum-printer for a $5 \%$ profit. What is his profit percentage?
Ans
$>1.7 \frac{1}{2} \%$
- 2. $9 \frac{1}{5} \%$3. $15 \%$
<4. $9 \frac{2}{5} \%$


## Section : English Comprehension

Q. 1 Select the most appropriate word to fill in the blank.

Health should be our first priority and should never be $\qquad$ -
Ans
< 1. declined
$\$$
2. suspended3. discarded
4. neglected
Q. 2 Select the most appropriate word to fill in the blank.

A colour blind person is not able to $\qquad$ between colours.
Ans 1. define
2. glance
3. observe
4. distinguish
Q. 3 In the sentence identify the segment which contains the grammatical error.

Lucy has already cut the cake when we reached the party hall.
Ans
X 1. Lucy has already
2. the party hall
3. when we reached
4. cut the cake

## Q. 4 Select the passive form of the given sentence.

People claim to have seen the wild and mad elephant in several cities.
Ans

1. The wild and mad elephant was claimed to be seen by people in several cities.
2. The wild and mad elephant is claimed to have been seen in several cities.
3. The wild and mad elephant is being claimed to be seen in several cities.
4. The wild and mad elephant has been claimed to be seen by the people in several
cities.
Q. 5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

I wish if I was the Principal of my school.
Ans

- 1 . I were

7
2. No improvement3. that I am
(4. If I had been
Q. 6 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. There are many gadgets that are operated by a remote control and contain a silicon chip.
B. This produces an infra-red beam, made up of electromagnetic waves.
C. When a button is pressed on the remote control, the chip sets off an electronic
vibration.
D. The beam carries a coded signal for operating the systems.

Ans

1. $A C D B$
2. $A C B D$
3. BACD

入4. АDCB

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Corruption is one of the (1) $\qquad$ problems of our country. It is an act done with (2) $\qquad$ to gain some undue advantages, inconsistent with official duty. Government has (3) $\qquad$
 many schemes for the welfare of the people but corruption seems impossible to be (4) India can become a corruption-free nation only when all the citizens (5) $\qquad$ rules and regulations with a strong will power and cooperate whole heartedly.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank No. 1.

Ans
X 1. powerful

- 2. major
(3. strong4. minor


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Corruption is one of the (1) $\qquad$ problems of our country. It is an act done with (2) $\qquad$ to gain some undue advantages, inconsistent with official duty. Government has (3) $\qquad$ to
$\qquad$
$\qquad$ India can become a corruption-free nation only when all the citizens (5) $\qquad$ rules and regulations with a strong will power and cooperate whole heartedly.

## SubQuestion No: 8

Q. 8 Select the most appropriate option for blank No. 2.

Ans

1. intention2. passion3. compulsion

人4. intuition

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Corruption is one of the (1) $\qquad$ problems of our country. It is an act done with (2) $\qquad$ to gain some undue advantages, inconsistent with official duty. Government has (3) $\qquad$ many schemes for the welfare of the people but corruption seems impossible to be (4) be (4) India can become a corruption-free nation only when all the citizens (5) $\qquad$ rules and regulations with a strong will power and cooperate whole heartedly.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank No. 3.

Ans
X1. denounced
$\checkmark$
. announced3. written
(4. concealed

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Corruption is one of the (1) $\qquad$ problems of our country. It is an act done with (2) $\qquad$ to gain some undue advantages, inconsistent with official duty. Government has (3) many schemes for the welfare of the people but corruption seems impossible to be (4) India can become a corruption-free nation only when all the citizens (5) $\qquad$ rules and regulations with a strong will power and cooperate whole heartedly.

SubQuestion No : 10

## Q. 10 Select the most appropriate option for blank No. 4.

Ans

1. eliminated
< 2. initiated
< 3. created
(4. permitted

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Corruption is one of the (1) $\qquad$ problems of our country. It is an act done with (2) $\qquad$ to gain some undue advantages, inconsistent with official duty. Government has (3)
$\qquad$
many schemes for the welfare of the people but corruption seems impossible to be (4) $\qquad$ India can become a corruption-free nation only when all the citizens (5) $\qquad$ rules and regulations with a strong will power and cooperate whole heartedly.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank No. 5.

Ans

$\checkmark$
2. follow3. disobey
<4. break
Q. 12 Select the correctly spelt word.

Ans
<1. Comemorate
2. Commemmorate
3. Commemorate4. Comemmorate
Q. 13 Select the most appropriate word that means the same as the group of words given.

Enclosed area where aircraft are kept and repaired
Ans
<1. Hose2. Harbinger3. Hanger
4. Hangar

## Q. 14 Select the indirect narration of the given sentence.

He said to me," What time do the banks open and close?"
Ans

1. He said me what time did the banks open and close.
2. He asked me what time the banks opened and closed.

X
3. He wanted to know what time the banks open and close.4. He asked me what time do the banks open and close.
Q. 15 Identify the part of the sentence that contains the grammatical error.

One of the greatest responsibilities of a scientist is that his discoveries and inventions are utilized to the overall development of the nation.
Ans

1. is that his discoveries and inventions2. development of the nation
2. are utilized to the overall
3. One of the greatest responsibilities of a scientist
Q. 16 Select the most appropriate antonym of the given word.

Sluggish
Ans
入1. Weak
< 2. Dull

- 3. Active4. Sedentary
Q. 17 Select the most appropriate antonym of the given word.

Hostile
Ans

1. Unfavourable
2. Adverse
$\checkmark$
3. Amiable
4. Violent
Q. 18 Select the most appropriate word that means the same as the group of words given.

A short story with a moral, usually with animals as characters.
Ans
X 1. Parody
2. Ode
3. Fable4. Hymn
Q. 19 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It is called the atmosphere.
B. All parts of the earth are surrounded by air.
C. Living beings breathe in and breathe out the air all the time.
D. This process is called respiration.

Ans

- 1. Cbad

X 2. DACB

- 3. BACD

X4. ACDB
Q. 20 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Amit has the good command on English as he was born and brought up in England.
Ans

- 1. a good command over2. No improvement

Х 3. a better command of4. the best command in

## Q. 21 Select the most appropriate meaning of the given Idiom.

To add fuel to the fire.
Ans

1. Simplify the problem2. Exploit someone
2. To make a bad situation worse4. Calm down the situation
Q. 22 Select the most appropriate synonym of the given word.

Deficiency
Ans

1. Abundance2. Sufficiency
( 3. Efficiency
2. Inadequacy
Q. 23 Select the most appropriate synonym of the given word.

Catastrophic
Ans
<1. Tough
X 2. Mysterious
$\checkmark$
3. Disastrous
$>$
4. Delicate
Q. 24 Select the correctly spelt word.

Ans1. Definate
< 2. Definiet
3. Definete4. Definite
Q. 25 Select the most appropriate meaning of the given Idiom.

Hobson's Choice
Ans

1. To be in an aggressive mood when facing a challenge
< 2. To challenge an unworthy opponent
2. An apparently free choice where there is no real alternative
$>$
3. To exercise the choice to surrender before the enemy

## Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | iON Digital Zone iDZ Kovilambakkam |
| Exam Date | $06 / 03 / 2020$ |
| Exam Time | 10:00 AM - 11:00 AM |
| Subject | CGLE Tier I |

## Section : General Intelligence and Reasoning

Q. 1 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
$X$ 1. Saxophone
$X$ 2. Trumpet
$X$ 3. Clarinet
4. Xylophone
Q. 2 Select the number that can replace the question mark (?) in the following series.
$5,10,26, ?, 122,170$
Ans
X 1.77

- 2. 50

Х 3.82
>4. 65
Q. 3 Select the number that can replace the question mark (?) in the following series.
$62,66,74,90$, ?
Ans
$\times 1.116$
$\times 2.120$
$\times 3.106$

- 4. 122
Q. 4 Which two signs should be interchanged to make the given equation correct?
$12+81-27 \times 9 \div 3=36$
Ans

1.     - and $\div$
$\times 2 . \times$ and -
$X$ 3. + and $\times$
X4. $\div$ and $\times$
Q. $5 \mathrm{~A}+\mathrm{B}$ means ' A is the husband of B ';
$A-B$ means ' $B$ is the sister of $A$ ';
$\mathrm{A} \times \mathrm{B}$ means ' A is the mother of B ';
$A \div B$ means ' $B$ is the son of $A$ '.
If, $\mathrm{P}+\mathrm{R} \times \mathrm{T}-\mathrm{Q} \div \mathrm{S}+\mathrm{U}$, then how is P related to S ?
Ans
X 1. Uncle

- 2. Maternal grandfather
$X$ 3. Father-in-law
X 4. Paternal grandfather
Q. 6 In the given Venn diagram, the 'rectangle' represents 'travellers who like to travel by plane', the 'circle' represents 'travellers who like to travel by bus', and the 'triangle' 'represents travellers who like to travel by train'. The numbers given in the diagram represent the number of travellers in that particular category.


How many travellers like to travel either by train or plane but NOT by bus?
Ans
1.27
$\times 2.36$

X2. 36

- 3. 30
$\times 4.29$
Q. 7 Select the letter-cluster that can replace the question mark (?) in the following series.

ADG, CGK, EJO, ? , IPW
Ans
Х1. GNS

- 2. GMS

X 3. GMZ
X4. GNZ
Q. 8 In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

Ans 1. ZUPK
X 2. ZUQJ
$X$ з. ZVQL
X 4. ZTOK
Q. 9 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' + '.


Ans
入1. \#
X2. S
X 3.*
-4.@
Q. 10 Select the option in which the words share the same relationship as that shared by the given pair of words.

North : South
Ans
$X$ 1. Integrity : Honesty
2. Frown: Smile
$X{ }^{3 .}$ Ductile : Bendable
X 4. Whole : Total
Q. 11 'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to ' $\qquad$ ,
Ans
X 1. Mines
X 2. Emotions
-3. Crops
X 4. Planets
Q. 12 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X 1. FBL
X 2. DDP
3. GCV

X 4. BJT
Q. 13 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.


Ans


Statements:

1. Some machines are kites.
2. No machine is a pigeon.

Conclusions:
I. Some machines are pigeons.
II. All kites are pigeons.
III. Some kites are not pigeons.
$X$ 1. Only conclusions I and II follow.
X 2. Only conclusions I and III follow.

- 3. Only conclusion III follows.
$X 4$. Only conclusion II follows.
Q. 15 Arrange the following words in a logical and meaningful order.

1. Quadrillion
2. Quintillion
3. Million
4. Octillion
5. Trillion

Ans
X 1. 4-3-5-1-2

- 2. 3-5-1-2-4

X 3. 2-3-5-1-4
X4.3-5-1-4-2
Q. 16 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 23 | 5 | 110 |
| :--- | :--- | :--- |
| 56 | 9 | 121 |
| 49 | 3 | $?$ |

Ans

1. 77

X2. 111
X 3.95
$\times 4.113$
Q. 17 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
$X_{1.11: 121}$
X 2. 17:289
X з. 13:169

- $4.15: 250$
Q. 18 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans

Q. 19 In a certain group of men and horses, the total number of legs is 14 more than twice the number of heads. How many horses are there in the group?

Ans
-1. 7
X 2.11
$\times 3.5$
$\times 4.9$
Q. 20 Select the letter that can replace the question mark (?) in the following series.

A, E, I, ? , Q, U
Ans
$\times 1$. O
X 2. K
X 3. N
4. M
https://haryanajobs.in
Q. 21 How many triangles are there in the given figure?


Ans
X1. 28
$\times 2.22$
X 3.16

- 4.25
Q. 22 In a certain code language, 'PAGE' is coded as ' 161495 '. How will 'PART' be coded as in that language?

Ans
X 1.16125020
$\times 2.16128620$

- 3. 16132420

X4. 16136220
Q. 23 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 15 | 3 | 24 |
| :--- | :--- | :--- |
| 21 | 6 | 30 |
| 49 | 5 | $?$ |

Ans
X 1.98

- 2. 88
$\times 3.92$
$\times 4.82$
Q. 24 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 25 Select the option in which the given figure is embedded (rotation is not allowed).


Ans


Section : General Awareness
Q. 1 Which of the following is the primary sex organ in females?

Ans
Х 1 Uterus

- 2. Ovary

X 3. Vagina
Х 4. Fallopian tube
Q. 2 Which of the following diseases is NOT transmitted from one person to another?

Ans

- 1. Cirrhosis

X 2. AIDS
X3. Hepatitis B
(4. Syphilis

## Q. 3 Which International organisation released the 'World Energy Outlook 2019' Report?

Ans
X 1. United Nations
2. International Energy Agency

X 3. World Trade Organisation
X4.UNESCO
Q. 4 The Supreme Court has declared access to the internet a fundamental right under Article ___ of the Indian Constitution.
Ans


X 2.14
X 3.21
<4.17
Q. 5 Name the Indian wrestler who has been named the Junior Freestyle Wrestler of the year (2019) by United World Wrestling (UWW).

Ans
Х 1. B.P. Raju
2. Kamareddy
3. Amita Bagchi
4. Deepak Punia
Q. 6 UN Women propose to partner with ___ gender park with an aim to secure gender parity in South Asia.
Ans
$>$
2. Rajasthan's

X 3. Punjab's
< 4. Haryana's

## Q. 7 Which of the following is a natural flame retardant?

Ans
(2. Skin
$\checkmark$
3. DNA
<4. Flowers
Q. 8 Merchant discount rate refers to $\qquad$ _.
Ans

1. the total discount a bank offers to the merchant for promoting online transactions
2. the rate charged to a merchant for payment processing services on debit and credit
card transactions
3. the total discount a merchant offers on online transactions
4. only taxes that a digital payment entails

## Q. 9 Alyssa Healy who created a world record by becoming the highest scorer in women's T20I, belongs to <br> $\qquad$ —.

Ans
X 1. Japan
Х 2 . India
X 3. Canada

- 4. Australia
Q. 10 In the sequence of planets in the Solar system, which planet comes in between Mercury and Earth?
Ans
(1. Uranus
- 2. Venus

3 3. Jupiter
<4. Mars
Q. 11 The SDG India index is developed by $\qquad$ ـ.
Ans
X 2. World Bank
3. Ministry of Environmental, Forests and Climate Change

- 4. NITI Aayog
Q. 12 Who performs the task of capturing oxygen in the blood?

Ans
(1. Chlorophyll

- 2. Haemoglobin

3. Red blood cells

4 4. White blood cells
Q. 13 If the inflation in an economy is rising steadily, the Central Bank might $\qquad$ —.
Ans
(1. keep the repo rate unchanged
2. decrease the repo rate

- 3. increase the repo rate

4. decrease the reverse repo rate
Q. 14 Name the only metal that is antibacterial.

Ans
X 1. Iron
< 2. Sodium3. Copper
\$4. Aluminium
Q. 15 On which river and in which state is the Jayakwadi dam situated?

Ans

1. Periyar river - Kerala
2. Banas river - Rajasthan

X 3. Ravi river - Punjab
4. Godavari river - Maharashtra
Q. 16 Who is the first General of the Indian Army, whose retirement day is celebrated as the 'Armed Forces Veterans Day' every year?
Ans
X 1. General K.S. Thimayya
X 2. General S.M. Srinagesh3. General Maharaj Rajendra Sinhji
4. General K. M. Cariappa
Q. 17 Which Indian journalist was honoured with India's Most Powerful Woman in Media Award during the prestigious Confluence Excellence Award ceremony held in the British parliament on 27 September 2019?

Ans
v 1. Kalli Puri
Х 2. Anubha Bhonsle
3. Sunetra Chaudhary

Х 4. Sona Choudhary
Q. 18 Which of the following gases is consistently seen to be most abundant in a volcanic eruption?
Ans

- 1. Water vapour

Х 2 . Carbon Dioxide
3. Sulphur Dioxide
4. Hydrogen Sulphide
Q. 19 Mehrunnisa who was known as Nur Jahan was the wife of

Ans 1. Jahangir
2. Shah Jahan

X3.Akbar
(4. Aurangzeb
Q. 20 Which leader gave us the C R Formula?

Ans
入1. Tilak
Х 2.C.R.Das
X 3. Mahatma Gandhi

- 4. C. Rajagopalachari
Q. 21 Which of the following is the first South Asian country to call match-fixing a crime?

Ans
X 1. Pakistan
> 2 . India
3. Sri Lanka

X4. Nepal
Q. 22 To which of the following Indian states does Mardani Khel, one of the famous martial art forms in India belong?
Ans

- 1. Maharashtra

2. Rajasthan

X 3ttar Pradesh
4. Madhya Pradesh
Q. 23 In which year did D.C. Sircar publish Indian Epigraphy and Indian Epigraphical Glossary?

Ans
Х 1.1966-67
Х 2. 1967-68

- 3. 1965-66

Х4.1964-65
Q. 24 Madhavpur Mela takes place in $\qquad$ —.
Ans
Х 1. Uttar Pradesh
X 2. Maharashtra
X 3. Madhya Pradesh
-4. Gujarat
Q. 25 When did the Vikrama Era begin?

Ans

- 1.57 BC

X2. 55 BC
X 3.50 BC
>4.47BC
Q. 1 Two tangents PA and PB are drawn to a circle with centre O from an external point P . If $\angle \mathrm{OAB}=30^{\circ}$, then $\angle \mathrm{APB}$ is:

Ans
$\times 1.120^{\circ}$
$\times 2.30^{\circ}$
$\times 3.15^{\circ}$
4. $60^{\circ}$
Q. $2 A B C$ is an equilateral triangle. $P, Q$ and $R$ are the midpoints of sides $A B, B C$ and $C A$, respectively. If the length of the side of the triangle $A B C$ is 8 cm , then the area of $\triangle P Q R$ is:

Ans
$X 1 \cdot \frac{\sqrt{3}}{3} \mathrm{~cm}^{2}$
X2. $\frac{\sqrt{3}}{4} \mathrm{~cm}^{2}$

- 3. $4 \sqrt{3} \mathrm{~cm}^{2}$

X $4.8 \sqrt{3} \mathrm{~cm}^{2}$
Q. 3 Solve the following.
$\frac{\sin 40^{\circ}}{\cos 50^{\circ}}+\frac{\operatorname{cosec} 50^{\circ}}{\sec 40^{\circ}}-4 \cos 50^{\circ} \operatorname{cosec} 40^{\circ}$
Ans
X 1.2

- 2. -2

X 3. -1
$\times 4.1$
Q. 4 The average of the marks of 30 boys is 88 , and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2 , then the highest mark is:

Ans
X 1.92

- 2. 96

X 3.94
$\times 4.90$
Q. 5 If $x \cos A-y \sin A=1$ and $x \sin A+y \cos A=4$, then the value of $17 x^{2}+17 y^{2}$ is:

Ans
入1. 0
< 2.7
Х3.49

- 4. 289
Q. 6 A circular disc of area $0.64 \pi \mathrm{~m}^{2}$ rolls down a length of 1.408 km . The number of revolutions it makes is:
(Take $\pi=\frac{22}{7}$ )
Ans
- 1. 280

X2. 360
X 3.140
X4. 180
Q. 7 An article was sold at a gain of $18 \%$. If it had been sold for $₹ 49$ more, then the gain would have been $25 \%$. The cost price of the article is:
Ans

1. ₹ 700

X2. ₹570
X 3. ₹650
X4. ₹890
Q. 8 If $3^{a}=27^{b}=81^{c}$ and $a b c=144$, then the value of $12\left(\frac{1}{a}+\frac{1}{2 b}+\frac{1}{5 c}\right)$ is:

Ans
$\times 1 \cdot \frac{18}{120}$
X 2. $\frac{18}{10}$

- 3. $\frac{33}{10}$
$\times 4 . \frac{17}{120}$
Q. 9 If $a+b+c=9$ and $a b+b c+c a=-22$, then the value of $a^{3}+b^{3}+c^{3}-3 a b c$ is:

Ans $\times 1.783$

- 2. 1323
×3.1571
$\times 4.487$
Q. 10 A shopkeeper marks the price of an article in such a way that after allowing a discount of $22 \%$, he gets a gain of $11 \%$. If the marked price is $₹ 888$, then the cost price of the article is:

Ans

1. ₹ 624
X 2. ₹ 782
X 3. ₹550
X4. ₹895
Q. 11 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

| Year | Rice | Wheat | Sugarcane | Barley | Maize |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2015 | 415 | 2500 | 1000 | 975 | 490 |
| 2016 | 520 | 4218 | 1120 | 825 | 520 |
| 2017 | 585 | 3482 | 1250 | 700 | 610 |
| 2018 | 625 | 4500 | 1325 | 625 | 725 |
| 2019 | 600 | 3300 | 1450 | 775 | 840 |

The percentage growth of maize in the year 2019 over the year 2015 is: (correct to two decimal places)

Ans
X 1. $65.12 \%$

- 2. $71.43 \%$

X 3. 77.77\%
X4. $60.28 \%$
Q. 12 If the area of an equilateral triangle is $36 \sqrt{3} \mathrm{~cm}^{2}$, then the perimeter of the triangle is:

Ans
X1. $36 \sqrt{3} \mathrm{~cm}$
2. 36 cm

X ${ }^{3 .} 18 \sqrt{3} \mathrm{~cm}$
X 4.12 cm
Q. 13 If the value of $(a+b-2)^{2}+(b+c-5)^{2}+(c+a-5)^{2}=0$, then the value of $\sqrt{(b+c)^{a}+(c+a)^{b}-1}$ is:

Ans
<1.1
$\times 2.2$

- 3.3
$\times 4.0$
Q. 14 If $(2 \sin A+\operatorname{cosec} A)=2 \sqrt{2}, 0^{\circ}<A<90^{\circ}$, then the value of $2\left(\sin ^{4} A+\cos ^{4} A\right)$ is:

Ans
X 1.2
2.
$\times 3.4$
$\times 4.0$
Q. 15 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

| Year | Rice | Wheat | Sugarcane | Barley | Maize |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2015 | 415 | 2500 | 1000 | 975 | 490 |
| 2016 | 520 | 4218 | 1120 | 825 | 520 |
| 2017 | 585 | 3482 | 1250 | 700 | 610 |
| 2018 | 625 | 4500 | 1325 | 625 | 725 |
| 2019 | 600 | 3300 | 1450 | 775 | 840 |

The average production of wheat (in tonnes) in the period given in the table is:
Ans
-1. 3600
X2. 3482
X 3. 3300
X4. 4218
Q. 16 A, B and C can individually complete a task in 24 days, 20 days and 18 days, respectively. B and C start the task, and they work for 6 days and leave. The number of days required by A alone to finish the remaining task, is:

Ans
$\times 1.15 \frac{2}{3}$ days
X2. $12 \frac{1}{2}$ days

- 3. $8 \frac{4}{5}$ days

X4. 10 days
Q. 17 What will be the difference in compound interest on a sum of $₹ 7,800$ at $8 \%$ for 1 year, when the interest is paid yearly and half yearly?

Ans
X 1 . ₹ 29.18

- 2. ₹ 12.48

X 3. ₹ 24.72
X 4. ₹ 19.46
Q. 18 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

| Year | Rice | Wheat | Sugarcane | Barley | Maize |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2015 | 415 | 2500 | 1000 | 975 | 490 |
| 2016 | 520 | 4218 | 1120 | 825 | 520 |
| 2017 | 585 | 3482 | 1250 | 700 | 610 |
| 2018 | 625 | 4500 | 1325 | 625 | 725 |
| 2019 | 600 | 3300 | 1450 | 775 | 840 |

The difference (in tonnes) between the average production of barley and average production of rice is:
Ans
-1. 231
$\times 2.780$
$\times 3.549$
$\times 4.471$
Q. 19 If ' + ' means ' - ', ' - ' means ' + ', ' $\times$ ' means ' $\div$ ' and ' $\div$ ' means ' $\times$ ', then the value of $\frac{[(30 \times 5)+(84 \times 6)] \div 5}{\left[\frac{2}{3} \div 18\right]-[4 \div 2]}$ is:

Ans
-1. -2
$\times 2.2$
X 3. -1
$\times 4.1$
Q. 20 A student takes 1.25 hours to travel from home to school at a speed of $4 \mathrm{~km} / \mathrm{h}$. By what percentage should he increase his speed to reduce the time by $25 \%$ to cover the same distance from school to home?

Ans
-1. $33 \frac{1}{3} \%$
$\times 2.50 \%$
X 3. $45 \%$
X4. $25 \%$
Q. 21 If a sum of $₹ 1,180$ is to be divided among A, B and C, such that 2 times A's share, 5 times B's share and 7 times C's share, are equal, then A's share is:
Ans
X 1. ₹500
X 2. ₹ 750
X 3. ₹650

- 4. ₹ 700
Q. 22 If the number $687 \times 29$ is divisible by 9 , then the value of $2 x$ is:

Ans
ง1. 8
>2. 3
$\times 3.2$
>4.4
Q. 23 The population of a city increased by $30 \%$ in the first year and decreased by $15 \%$ in the next year. If the present population is 11,050 then the population 2 years ago was:

Ans

- 1. 10,000

X 2. 99,500
X 3. 99,000
X4.10,050
Q. 24 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

| Year | Rice | Wheat | Sugarcane | Barley | Maize |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2015 | 415 | 2500 | 1000 | 975 | 490 |
| 2016 | 520 | 4218 | 1120 | 825 | 520 |
| 2017 | 585 | 3482 | 1250 | 700 | 610 |
| 2018 | 625 | 4500 | 1325 | 625 | 725 |
| 2019 | 600 | 3300 | 1450 | 775 | 840 |

The highest growth of sugarcane production over its previous year is recorded in the year:
Ans
X1. 2018

- 2. 2016

X 3. 2019
X4. 2017
Q. 25 A metallic sphere of diameter 40 cm is melted into smaller spheres of radius 0.5 cm . How many such small balls can be made?
Ans
X 1.32,000
X 2. 3200

- 3. 64,000

X4. 6400

Section : English Comprehension

## Q. 1 Select the most appropriate ANTONYM of the given word.

Persist
Ans

Q. 2 Select the option that can be used as a one-word substitute for the given group of words/phrase.

Having two opposing feelings at the same time
Ans
Х1. Equivalent
2. Coinciding3. Contemporary
4. Ambivalent
Q. 3 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

We came back because we had ran out of money.
Ans

1. No improvement
2. we have ran

- 3. we had run

4. we run
Q. 4 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Those who are late they will not be allowed inside the classroom.
Ans
1 1 . Those who are late

- 2. they will not be allowed

3 3 inside the classroom
<4. No error

## Q. 5 Select the correct indirect form of the given sentence.

"What a rare flower!" she said.
Ans

1. She exclaimed what a rare flower it is.

- 2. She exclaimed that it was a very rare flower.

3. She asked if it was a rare flower.
4. She told that what a rare flower it was.

## Q. 6 Select the correct passive form of the given sentence.

## The farmer is ploughing the fields.

Ans

1. The fields have been ploughed by the farmer.
2. The fields are being ploughed by the farmer.
3. The fields were ploughed by the farmer.
4. The fields are ploughed by the farmer.

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) $\qquad$ to hold it for Atlas while the latter went looking (2) $\qquad$ golden apples. When Atlas returned, he saw Hercules (3 $\qquad$ hard to hold the sky. The weight of the sky (4) $\qquad$
Hercules sweat and groan. Now Atlas did not want to (5) $\qquad$ a job as arduous as that!

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank 1.

Ans
Х 1. afforded2. offered3. extended
< 4. ordered

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) to hold it for Atlas while the latter went looking (2) $\qquad$ golden apples. When Atlas
returned, he saw Hercules (3) $\qquad$ hard to hold the sky. The weight of the sky (4) $\qquad$
Hercules sweat and groan. Now Atlas did not want to (5) $\qquad$ a job as arduous as that!

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank 2.

Ans
$\times 1$.at

- 2 .for
$\times 3$. on
<4. after


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1) $\qquad$ to hold it for Atlas while the latter went looking (2) $\qquad$ golden apples. When Atlas returned, he saw Hercules (3) $\qquad$ hard to hold the sky. The weight of the sky (4) $\qquad$ Hercules sweat and groan. Now Atlas did not want to (5) $\qquad$ a job as arduous as that!

SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank 3.

Ans
(1. tackling
2. struggling
3.seeking
4. coping

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1) $\qquad$ to hold it for Atlas while the latter went looking (2) $\qquad$ golden apples. When Atlas returned, he saw Hercules (3) $\qquad$ hard to hold the sky. The weight of the sky (4)
Hercules sweat and groan. Now Atlas did not want to (5) $\qquad$ a job as arduous as that!

SubQuestion No: 10

## Q. 10 Select the most appropriate option to fill in blank 4.

Ans
Х 1.make2. were making
$\checkmark 3$
3. was making
4. has made

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) $\qquad$ to hold it for Atlas while the latter went looking (2) $\qquad$ golden apples. When Atlas returned, he saw Hercules (3) $\qquad$ hard to hold the sky. The weight of the sky (4) $\qquad$ Hercules sweat and groan. Now Atlas did not want to (5) $\qquad$ a job as arduous as that!

SubQuestion No : 11
Q. 11 Select the most appropriate option to fill in blank 5.

Ans
入 1. take out
⒉ take in
3. take away4. take back
Q. 12 Select the most appropriate meaning of the given idiom.

Chicken-hearted
Ans
X 2 . Generous
X 3. Miserly
(4. Selfish
Q. 13 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. The mountain range was covered with snow.
B. Napoleon had to cross the Alps in winter.
C. Napoleon replied that the word 'impossible' did not exist for him.
D. So, someone told Napoleon that the task was impossible.

Ans
X 1 . DBCA

- 2. BADC

X3.ADBC
X4. BDCA
Q. 14 Select the most appropriate synonym of the given word.

Preferred
Ans

1. Adored

- 2. Favoured

X 3. Feared

- 4. compared
Q. 15 Select the most appropriate synonym of the given word.

Ovation
Ans

1. Creation

- 2. Applause

X 3. Preparation
Х 4. Censure
Q. 16 Select the most appropriate option to fill in the blank.

She $\qquad$ how the magician had performed the rope trick.
Ans
< 1. puzzled
2. bewildered
3. suspected
4. wondered
Q. 17 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

When it started raining, I ran to the nearer house for shelter.
Ans

- 1. the nearest house

2. a near house
3. the near house

Х 4 . No improvement
Q. 18 Select the INCORRECTLY spelt word.

Ans
< 1. Abandon

- 2. Acquaintence
< 3. Alliance
(4. Acquisition
Q. 19 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Much of this war had taken place along the Western Front.
B. Both sides had dug in deep and each lost many men over little ground.
C. This front was a line of trenches across which the two sides faced each other.
D. Andre Maginot had fought a war with the French against the Germans.

Ans
Х 1. BCDA
入 2. ACDB

- 3. DACB

Х4. DBCA
Q. 20 Select the most appropriate meaning of the given idiom.

By and by
Ans
1 1. Suddenly

- 2. Gradually

X 3. On the whole
X4. By any means
Q. 21 Select the most appropriate ANTONYM of the given word.

Glee
Ans
Х 1. Bliss
X 2 . Joy
X 3. Fun

- 4. Woe
Q. 22 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Everyone except she have travelled by air.
Ans

1. travelled by air
2. she have

Х 3 . No error
4. Everyone except
Q. 23 Select the most appropriate option to fill in the blank.

The roof of the old building $\qquad$ during the storm.

Ans

1. collapsed

Х 2. scratched

- 3. destroyed4. demolished
Q. 24 Select the option that can be used as a one-word substitute for the given group of words/phrase.

A group of ships
Ans

- 1. fleet

X 2. squad
3. colony

X 4. swarm
Q. 25 Select the wrongly spelt word.

Ans

1. Piece
< 2. Fierce

- 3. Sieze
X4. Grief

Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number | E Tayari |
| :--- | :--- |
| Candidate Name | E Tayari |
| Venue Name | iON Digital Zone iDZ4 Patliputra |
| Exam Date | 06/03/2020 |
| Exam Time | 10:00 AM - 11:00 AM |
| Subject | CGLE Tier I |

## Section : General Intelligence and Reasoning

Q. 1 Arrange the following words in a logical and meaningful order.

1. Quadrillion
2. Quintillion
3. Million
4. Octillion
5. Trillion

Ans
Х1. 4-3-5-1-2
Х 2. 2-3-5-1-4
3. 3-5-1-2-4
(4.3-5-1-4-2
Q. 2 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans

Q. 3 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
$X$ 1. Clarinet
$X$ 2. Trumpet
$X$ 3. Saxophone
4. Xylophone
Q. 4 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
Ans

1. 13:169
2. $11: 121$
3. $15: 250$

X4.17:289
Q. 5 'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to ' $\qquad$ '.
Ans $X$ 1. Emotions
$X$ 2. Planets

- 3. Crops

X 4. Mines
Q. 6 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 15 | 3 | 24 |
| :--- | :--- | :--- |
| 21 | 6 | 30 |
| 49 | 5 | $?$ |

Ans
$\times 1.82$
2. 88
$\times 3.98$
$\times 4.92$
Q. 7 Select the letter-cluster that can replace the question mark (?) in the following series. ADG, CGK, EJO, ? , IPW
Ans
X 1. GMZ

- 2. GMS

X 3. GNS
X 4. GNZ
Q. 8 How many triangles are there in the given figure?


Ans

1. 25

X2. 16
$\times 3.22$
X4. 28
Q. 9 Select the figure that can replace the question mark (?) in the following series.


Ans
4
$\times 2$.

Х 3.

$\times 4$.

Q. 10 In a certain group of men and horses, the total number of legs is 14 more than twice the number of heads. How many horses are there in the group?

Ans
$X 1.5$
$\times 2.9$
X 3.11
4. 7
Q. 11 In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

Ans
X 1. ZUQJ

- 2. ZUPK

X 3. ZTOK
$X$
4. ZVQL
Q. 12 Select the option in which the words share the same relationship as that shared by the given pair of words.

North : South
Ans
$X$ 1. Whole : Total
X 2. Ductile : Bendable

- 3. Frown : Smile

X 4. Integrity: Honesty
Q. 13 Which two signs should be interchanged to make the given equation correct?
$12+81-27 \times 9 \div 3=36$
Ans
$\times 1 .+$ and $\times$
$\times 2 . \times$ and -
$\times 3 . \div$ and $\times$
4. - and $\div$
Q. 14 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.


Ans

Q. 15 Select the number that can replace the question mark (?) in the following series.
$5,10,26, ?, 122,170$
Ans
$\times 1.77$
Х 2.65
-3. 50
$\times 4.82$
Q. 16 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans

- 1. GCV

X 2. DDP
$X$ 3. BJT
X 4. FBL
Q. 17 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

| 23 | 5 | 110 |
| :--- | :--- | :--- |
| 56 | 9 | 121 |
| 49 | 3 | $?$ |

Ans

1. 77
$\times 2.113$
$\times 3.111$
$\times 4.95$
Q. 18 Select the option in which the given figure is embedded (rotation is not allowed).


Ans

$\times 2$.

$\times 3$.

$\checkmark 4$

Q. 19 In the given Venn diagram, the 'rectangle' represents 'travellers who like to travel by plane', the 'circle' represents 'travellers who like to travel by bus', and the 'triangle' 'represents travellers who like to travel by train'. The numbers given in the diagram represent the number of travellers in that particular category.


How many travellers like to travel either by train or plane but NOT by bus?
Ans
X 1.29
X2. 36
3. 30
$\times 4.27$
Q. $20 \mathrm{~A}+\mathrm{B}$ means ' A is the husband of B ';
$A-B$ means ' $B$ is the sister of $A$ ';
$A \times B$ means ' $A$ is the mother of $B$ ';
$A \div B$ means ' $B$ is the son of $A$ '.
If, $\mathrm{P}+\mathrm{R} \times \mathrm{T}-\mathrm{Q} \div \mathrm{S}+\mathrm{U}$, then how is P related to S ?
Ans
$X$ 1. Uncle

- 2. Maternal grandfather
$X$ 3. Paternal grandfather
X 4. Father-in-law
Q. 21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even
if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. Some machines are kites.
2. No machine is a pigeon.

Conclusions:
I. Some machines are pigeons.
II. All kites are pigeons.
III. Some kites are not pigeons.

Ans
$X$ 1. Only conclusions I and III follow.
$X$ 2. Only conclusions I and II follow.
$X$ 3. Only conclusion II follows.
4. Only conclusion III follows.
Q. 22 Select the letter that can replace the question mark (?) in the following series.

A, E, I, ? , Q, U
Ans $\quad \mathrm{X}$. O

- 2. M

X 3. N
X4. K
Q. 23 Select the number that can replace the question mark (?) in the following series.
$62,66,74,90$,?
Ans

1. 122
2. 120

X3. 1064. 116
Q. 24 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' + '.


Ans X1. S
<2. *
入3. \#

- 4.@
Q. 25 In a certain code language, 'PAGE' is coded as ' 161495 '. How will 'PART' be coded as in that language?

Ans
X 1.16125020
$\times 2.16128620$

- 3. 16132420

X4. 16136220

## Section : General Awareness

Q. 1 Which Indian journalist was honoured with India's Most Powerful Woman in Media Award during the prestigious Confluence Excellence Award ceremony held in the British parliament on 27 September 2019?
Ans
Х 1. Anubha Bhonsle

- 2. Kalli Puri

X 3. Sona Choudhary
< 4. Sunetra Chaudhary
$\qquad$ -.
Ans
<1

1. Ministry of Home Affairs
2. World Bank
$\checkmark 3$
3. NITI Aayog4. Ministry of Environmental, Forests and Climate Change

## Q. 3 To which of the following Indian states does Mardani Khel, one of the famous martial

 art forms in India belong?Ans
X 1. Madhya Pradesh
$\checkmark$
2. Maharashtra3. Uttar Pradesh
4. Rajasthan
Q. 4 In which year did D.C. Sircar publish Indian Epigraphy and Indian Epigraphical Glossary?
Ans

- 1.1965-66

Х 2. 1966-67
X 3. 1964-65
<4. 1967-68
Q. 5 Which leader gave us the C R Formula?

Ans
>1.C.R.Das
$>2$
2. Tilak
3. C. Rajagopalachari

K
4. Mahatma Gandhi

## Q. 6 Merchant discount rate refers to

$\qquad$ _.

Ans

1. only taxes that a digital payment entails2. the total discount a merchant offers on online transactions3. the total discount a bank offers to the merchant for promoting online transactions
2. the rate charged to a merchant for payment processing services on debit and credit
card transactions
```
Q. 7 UN Women propose to partner with
``` \(\qquad\)
``` gender park with an aim to secure gender
``` parity in South Asia.

Ans
1. Haryana's

K
2. Punjab's3. Rajasthan's
4. Kerala's
Q. 8 In the sequence of planets in the Solar system, which planet comes in between Mercury and Earth?
Ans
Х 1. Jupiter2. Venus
\(\times\)
3. Uranus4. Mars

\section*{Q. 9 When did the Vikrama Era begin?}

Ans
>1.50 BC
X2. 25 BC3. 47 BC
4. 57 BC
Q. 10 Mehrunnisa who was known as Nur Jahan was the wife of \(\qquad\) .

Ans
入1. Shah Jahan2. Akbar3. Aurangzeb
4. Jahangir
Q. 11 Name the only metal that is antibacterial.

Ans

2. Sodium3. Iron
4. Aluminium
Q. 12 Which of the following is the primary sex organ in females?

Ans
< 1. Vagina
v 2. Ovary
<3. Uterus4. Fallopian tube

\section*{Q. 13 Alyssa Healy who created a world record by becoming the highest scorer in women's T20I, belongs to \\ \(\qquad\) —.}

Ans
1. Japan
2. India3. Canada
4. Australia
Q. 14 Which of the following gases is consistently seen to be most abundant in a volcanic eruption?
Ans
1. Water vapour2. Hydrogen Sulphide
3. Carbon Dioxide
4. Sulphur Dioxide
Q. 15 Which of the following is a natural flame retardant?

Ans
- 1. DNA2. Flowers
<3. Skin
\(>\)
4. RNA
Q. 16 If the inflation in an economy is rising steadily, the Central Bank might \(\qquad\) -.

Ans \(\quad\) 1. decrease the repo rate
X
2. keep the repo rate unchanged
3. decrease the reverse repo rate
- 4. increase the repo rate
Q. 17 Who performs the task of capturing oxygen in the blood?

Ans 1.Haemoglobin
X 2. White blood cells
- 3. Red blood cells
\$4. Chlorophyll

\section*{Q. 18 Who is the first General of the Indian Army, whose retirement day is celebrated as the 'Armed Forces Veterans Day' every year?}

Ans
Х 1. General S.M. Srinagesh
2. General Maharaj Rajendra Sinhji
3. General K. M. Cariappa

7 4. General K.S. Thimayya
Q. 19 Name the Indian wrestler who has been named the Junior Freestyle Wrestler of the year (2019) by United World Wrestling (UWW).
Ans
§ 1. Kamareddy
X 2. Amita Bagchi
X 3. B.P. Raju
4. Deepak Punia
Q. 20 Which of the following diseases is NOT transmitted from one person to another?

Ans
(1. Hepatitis B2. Syphilis3. Cirrhosis4. AIDS
Q. 21 Which of the following is the first South Asian country to call match-fixing a crime?

Ans
(1. India
- 2. Sri Lanka3. Pakistan
4. Nepal
Q. 22 Madhavpur Mela takes place in \(\qquad\) -.
Ans
1 1. Uttar Pradesh
2. Maharashtra
3. Gujarat4. Madhya Pradesh
Q. 23 Which International organisation released the 'World Energy Outlook 2019' Report?

Ans
> 1. UNESCO2. International Energy Agency

X 3. World Trade Organisation
>4.
4. United Nations
Q. 24 The Supreme Court has declared access to the internet a fundamental right under Article \(\qquad\) of the Indian Constitution.
Ans
X 1.21
-2. 19
>3.
Х 4.14

Question ID : 123568358
Status: Answered
Q. 25 On which river and in which state is the Jayakwadi dam situated?

Ans
1. Banas river - Rajasthan
2. Ravi river - Punjab
3. Periyar river - Kerala
4. Godavari river - Maharashtra

\section*{Section : Quantitative Aptitude}
Q. 1 If the number \(687 \times 29\) is divisible by 9 , then the value of \(2 x\) is:

Ans
\(\times 1.4\)
\(\times 2.3\)
\(X\)
3. 2
4. 8
Q. 2 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & Rice & Wheat & Sugarcane & Barley & Maize \\
\hline 2015 & 415 & 2500 & 1000 & 975 & 490 \\
\hline 2016 & 520 & 4218 & 1120 & 825 & 520 \\
\hline 2017 & 585 & 3482 & 1250 & 700 & 610 \\
\hline 2018 & 625 & 4500 & 1325 & 625 & 725 \\
\hline 2019 & 600 & 3300 & 1450 & 775 & 840 \\
\hline
\end{tabular}

The difference (in tonnes) between the average production of barley and average production of rice is:
Ans
\(\times 1.549\)
\(\times 2.780\)
X 3.471
4. 231
Q. 3 If the area of an equilateral triangle is \(36 \sqrt{3} \mathrm{~cm}^{2}\), then the perimeter of the triangle is:

Ans
- 1. 36 cm

X \(2.18 \sqrt{3} \mathrm{~cm}\)
\(X^{3} .36 \sqrt{3} \mathrm{~cm}\)
X 4.12 cm
Q. 4 If the value of \((a+b-2)^{2}+(b+c-5)^{2}+(c+a-5)^{2}=0\), then the value of \(\sqrt{(b+c)^{a}+(c+a)^{b}-1}\) is:

Ans
Xi. 2
<2. 1
-3. 3
<4. 0
Q. 5 A, B and C can individually complete a task in 24 days, 20 days and 18 days, respectively. B and C start the task, and they work for 6 days and leave. The number of days required by A alone to finish the remaining task, is:
Ans 1. 10 days
\(\times 2.12 \frac{1}{2}\) days
- 3. \(8 \frac{4}{5}\) days

X4. \(15 \frac{2}{3}\) days made?
Ans
X 1.6400
- 2. 64,000

X 3. 32,000
X 4.3200
Q. 7 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & Rice & Wheat & Sugarcane & Barley & Maize \\
\hline 2015 & 415 & 2500 & 1000 & 975 & 490 \\
\hline 2016 & 520 & 4218 & 1120 & 825 & 520 \\
\hline 2017 & 585 & 3482 & 1250 & 700 & 610 \\
\hline 2018 & 625 & 4500 & 1325 & 625 & 725 \\
\hline 2019 & 600 & 3300 & 1450 & 775 & 840 \\
\hline
\end{tabular}

The highest growth of sugarcane production over its previous year is recorded in the year:
Ans
X 1.2018
X 2. 2017
X 3. 2019
4. 2016
Q. 8 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & Rice & Wheat & Sugarcane & Barley & Maize \\
\hline 2015 & 415 & 2500 & 1000 & 975 & 490 \\
\hline 2016 & 520 & 4218 & 1120 & 825 & 520 \\
\hline 2017 & 585 & 3482 & 1250 & 700 & 610 \\
\hline 2018 & 625 & 4500 & 1325 & 625 & 725 \\
\hline 2019 & 600 & 3300 & 1450 & 775 & 840 \\
\hline
\end{tabular}

The percentage growth of maize in the year 2019 over the year 2015 is: (correct to two decimal places)
X 1. 77.77\%
X 2. \(65.12 \%\)
X 3. \(60.28 \%\)
- 4. \(71.43 \%\)
Q. 9 An article was sold at a gain of \(18 \%\). If it had been sold for ₹ 49 more, then the gain would have been \(25 \%\). The cost price of the article is:

Ans
X 1. ₹570
X 2. ₹ 890
3. ₹700

X 4 . ₹ 650
Q. 10 If \(a+b+c=9\) and \(a b+b c+c a=-22\), then the value of \(a^{3}+b^{3}+c^{3}-3 a b c\) is:

Ans
- 1. 1323

X 2. 1571
\(\times 3.783\)
\(\times 4.487\)
Q. 11 If ' + ' means ' - ', ' - ' means ' + ', ' \(\times\) ' means ' \(\div\) ' and ' \(\div\) ' means ' \(\times\) ', then the value of \(\frac{[(30 \times 5)+(84 \times 6)] \div 5}{\left[\frac{2}{3} \div 18\right]-[4 \div 2]}\) is:

Ans
1. -1
\(\times 2.2\)
-3. -2
X4.1
Q. 12 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & Rice & Wheat & Sugarcane & Barley & Maize \\
\hline 2015 & 415 & 2500 & 1000 & 975 & 490 \\
\hline 2016 & 520 & 4218 & 1120 & 825 & 520 \\
\hline 2017 & 585 & 3482 & 1250 & 700 & 610 \\
\hline 2018 & 625 & 4500 & 1325 & 625 & 725 \\
\hline 2019 & 600 & 3300 & 1450 & 775 & 840 \\
\hline
\end{tabular}

The average production of wheat (in tonnes) in the period given in the table is:
\(\times 1.3482\)
X 2. 4218
X 3. 3300
4. 3600
Q. 13 If a sum of \(₹ 1,180\) is to be divided among A, B and C, such that 2 times A's share, 5 times B's share and 7 times C's share, are equal, then A's share is:
Ans
- 1. ₹ 700
- 2. ₹500

X 3. ₹ 650
X 4 . ₹ 750
Q. 14 A shopkeeper marks the price of an article in such a way that after allowing a discount of \(22 \%\), he gets a gain of \(11 \%\). If the marked price is ₹ 888 , then the cost price of the article is:

Ans
X 1. ₹550
2. ₹ 624

X 3. ₹ 895
X4. ₹ 782
Q. 15 If \(x \cos A-y \sin A=1\) and \(x \sin A+y \cos A=4\), then the value of \(17 x^{2}+17 y^{2}\) is:

Ans
<1. 7
Х 2.49
Х 3.0
- 4. 289
Q. 16 The average of the marks of 30 boys is 88 , and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2 , then the highest mark is:

Ans
\(\times 1.90\)
\(X\)
2. 943. 92
- 4.96
Q. 17 Two tangents PA and PB are drawn to a circle with centre O from an external point P . If \(\angle \mathrm{OAB}=30^{\circ}\), then \(\angle \mathrm{APB}\) is:

Ans
\(\times 1.15^{\circ}\)
\(\times 2.120^{\circ}\)3. \(60^{\circ}\)4. \(30^{\circ}\)
Q. 18 The population of a city increased by \(30 \%\) in the first year and decreased by \(15 \%\) in the next year. If the present population is 11,050 then the population 2 years ago was:

Ans
X 1. 10,0502. 99,0003. 99,500
4. 10,000
Q. 19 If \(3^{a}=27^{b}=81^{c}\) and \(a b c=144\), then the value of \(12\left(\frac{1}{a}+\frac{1}{2 b}+\frac{1}{5 c}\right)\) is:

Ans
\(\times 1 \cdot \frac{18}{120}\)
\(\times 2 \frac{18}{10}\)
- \(3 . \frac{33}{10}\)
\(\times 4 . \frac{17}{120}\)
Q. 20 What will be the difference in compound interest on a sum of \(₹ 7,800\) at \(8 \%\) for 1 year, when the interest is paid yearly and half yearly?
Ans
X 1. ₹ 19.462. ₹ 24.723. ₹ 12.48

X4. ₹ 29.18
Q. 21 A circular disc of area \(0.64 \pi \mathrm{~m}^{2}\) rolls down a length of 1.408 km . The number of revolutions it makes is:
(Take \(\pi=\frac{22}{7}\) )
Ans 1. 280
\(\times 2.360\)
\(\times 3.140\)
X4.180
Q. 22 Solve the following.
\(\frac{\sin 40^{\circ}}{\cos 50^{\circ}}+\frac{\operatorname{cosec} 50^{\circ}}{\sec 40^{\circ}}-4 \cos 50^{\circ} \operatorname{cosec} 40^{\circ}\)
Ans
X1. 2
X 2. -1
\(\times 3.1\)
4. -2
Q.23 \(A B C\) is an equilateral triangle. \(P, Q\) and \(R\) are the midpoints of sides \(A B, B C\) and \(C A\), respectively. If the length of the side of the triangle \(A B C\) is 8 cm , then the area of \(\triangle P Q R\) is:
Ans
\(X 1 \cdot \frac{\sqrt{3}}{4} \mathrm{~cm}^{2}\)
X2. \(8 \sqrt{3} \mathrm{~cm}^{2}\)
- 3. \(4 \sqrt{3} \mathrm{~cm}^{2}\)

X4. \(\frac{\sqrt{3}}{3} \mathrm{~cm}^{2}\)
Q.24 A student takes 1.25 hours to travel from home to school at a speed of \(4 \mathrm{~km} / \mathrm{h}\). By what percentage should he increase his speed to reduce the time by \(25 \%\) to cover the same distance from school to home?

Ans
- 1. \(33 \frac{1}{3} \%\)

X 2. \(25 \%\)
\(\times 3.50 \%\)
X4. \(45 \%\)
Q. 25 If \((2 \sin A+\operatorname{cosec} A)=2 \sqrt{2}, 0^{\circ}<A<90^{\circ}\), then the value of \(2\left(\sin ^{4} A+\cos ^{4} A\right)\) is:

Ans
\(\times 1.0\)
\(\times 2.2\)
-3. 1
\(\times 4.4\)
Q. 1 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

We came back because we had ran out of money.
Ans
入1. we run
2. we have ran
( 3. No improvement
4. we had run
Q. 2 Select the option that can be used as a one-word substitute for the given group of words/phrase.

Having two opposing feelings at the same time
Ans
<1. Coinciding
2. Contemporary3. Equivalent
4. Ambivalent
Q. 3 Select the correct indirect form of the given sentence.
"What a rare flower!" she said.
Ans
1. She exclaimed that it was a very rare flower.2. She exclaimed what a rare flower it is.3. She asked if it was a rare flower.
4. She told that what a rare flower it was.
Q. 4 Select the correct passive form of the given sentence.

The farmer is ploughing the fields.
Ans
\(X 1\)
1. The fields were ploughed by the farmer.2. The fields are ploughed by the farmer.3. The fields are being ploughed by the farmer.4. The fields have been ploughed by the farmer.
Q. 5 Select the most appropriate ANTONYM of the given word.

Persist
Ans
1. Remain
2. Continue
3. Cease4. Insist
Q. 6 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Those who are late they will not be allowed inside the classroom.
Ans
<1. No error2. inside the classroom
3. Those who are late
4. they will not be allowed

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) \(\qquad\) to hold it for Atlas while the latter went looking (2) \(\qquad\) golden apples. When
(4) \(\qquad\) Hercules sweat and groan. Now Atlas did not want to (5) \(\qquad\) a job as arduous
as that!
SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank 1.

Ans
X 1. ordered
2. extended
3. afforded
4. offered

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) \(\qquad\) to hold it for Atlas while the latter went looking (2) \(\qquad\) golden apples. When Atlas returned, he saw Hercules (3) \(\qquad\) hard to hold the sky. The weight of the sky
(4) \(\qquad\) Hercules sweat and groan. Now Atlas did not want to (5) \(\qquad\) a job as arduous as that!

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank 2.

Ans

(2. at

X3. on
\$4. after

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) \(\qquad\) to hold it for Atlas while the latter went looking (2) \(\qquad\) golden apples. When
Atlas returned, he saw Hercules (3) \(\qquad\) hard to hold the sky. The weight of the sky
(4) \(\qquad\) Hercules sweat and groan. Now Atlas did not want to (5) \(\qquad\) a job as arduous
as that!
SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank 3.

Ans
< 1. seeking
X 2. coping
- 3. struggling
<4. tackling

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) \(\qquad\) to hold it for Atlas while the latter went looking (2) \(\qquad\) golden apples. When
(4) \(\qquad\) Hercules sweat and groan. Now Atlas did not want to (5) \(\qquad\) a job as arduous
as that!
SubQuestion No : 10
Q. 10 Select the most appropriate option to fill in blank 4.

Ans
< 1. make2. has made3. were making
4. was making

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules
(1) \(\qquad\) to hold it for Atlas while the latter went looking (2) \(\qquad\) golden apples. When Atlas returned, he saw Hercules (3) \(\qquad\) hard to hold the sky. The weight of the sky
(4) \(\qquad\) Hercules sweat and groan. Now Atlas did not want to (5) \(\qquad\) a job as arduous as that!

SubQuestion No: 11
Q. 11 Select the most appropriate option to fill in blank 5.

Ans
X 1. take out
\(>\)
2. take away3. take in
4. take back
Q. 12 Select the most appropriate synonym of the given word.

\section*{Ovation}

Ans
< 1. Preparation
- 2. Applause

X3. Censure
<4. Creation
Q. 13 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

When it started raining, I ran to the nearer house for shelter.
Ans
(1. No improvement
2. a near house
3. the near house
4. the nearest house
Q. 14 Select the option that can be used as a one-word substitute for the given group of words/phrase.

A group of ships
Ans
<1.swarm
2. squad

X 3. colony
- 4. fleet
Q. 15 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. The mountain range was covered with snow.
B. Napoleon had to cross the Alps in winter.
C. Napoleon replied that the word 'impossible' did not exist for him.
D. So, someone told Napoleon that the task was impossible.

Ans
<1. ADBC
< 2. BDCA
< \(3 . \mathrm{DBCA}\)
4. BADC

\section*{Q. 16 Select the most appropriate ANTONYM of the given word.}

Glee
Ans
<1. Fun
\(x\)
2. Joy

X 3. Bliss
4. Woe

\section*{Q. 17 Select the INCORRECTLY spelt word.}

Ans

\(\gamma 2\)
2. Acquaintence3. Abandon
4. Alliance
Q. 18 Select the most appropriate synonym of the given word.

Preferred
Ans
X1. Adored2. Feared
- 3. Favoured
(4. Compared
Q. 19 Select the wrongly spelt word.

Ans

1. Sieze

7
2. Fierce
<3. Piece4. Grief
Q. 20 Select the most appropriate option to fill in the blank.

The roof of the old building \(\qquad\) during the storm.
Ans1. demolished
2. destroyed
3. collapsed4. scratched
Q. 21 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Everyone except she have travelled by air.
Ans
1. travelled by air2. No error3. she have4. Everyone except

\section*{Q. 22 Select the most appropriate meaning of the given idiom.}

By and by
Ans
1. By any means
2. Gradually

⒊ On the whole
(4. Suddenly
Q. 23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Much of this war had taken place along the Western Front.
B. Both sides had dug in deep and each lost many men over little ground.
C. This front was a line of trenches across which the two sides faced each other.
D. Andre Maginot had fought a war with the French against the Germans.

Ans
<1. DBCA
\(\checkmark\)
2. \(D A C B\)3. \(A C D B\)

X
4. BCDA
Q. 24 Select the most appropriate meaning of the given idiom.

Chicken-hearted
Ans
<1. Generous
\(\$\)
2. Miserly3. Cowardly

X
4. Selfish
Q. 25 Select the most appropriate option to fill in the blank.

She \(\qquad\) how the magician had performed the rope trick.
Ans
\(\checkmark\) 1. wondered2. puzzled
< 3. suspected
44. bewildered

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|l|}
\hline Roll Number & E Tayari \\
\hline Candidate Name & ETayari \\
\hline Venue Name & Uniconcept Technology Pvt.Ltd \\
\hline Exam Date & 06/03/2020 \\
\hline Exam Time & 4:00 PM - 5:00 PM \\
\hline Subject & CGLE Tier I \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 Select the option in which the numbers are related in the same way as are the numbers in the given set.
(14, 18, 277)
Ans
- 1. \((20,22,521)\)

X 2. \((24,20,576)\)
X 3. \((18,16,485)\)
X4.(12, 32, 320)
Q. 2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

\section*{Statements:}
1. All helmets are objects.
2. Some helmets are vehicles.

Conclusions:
I. Some objects are helmets.
II. Some vehicles are helmets.
III. Some vehicles are objects.

Ans
\(X\) 1. Only conclusions I and II follow.
X 2. Only conclusions II and III follow.
\(X\) 3. Only conclusions I and III follow.
- 4. All conclusions I, II and III follow.
Q. 3 Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.


Ans

Q. \(4 A+B\) means ' \(A\) is the husband of \(B\) ';
\(\mathrm{A}-\mathrm{B}\) means ' A is the wife of B ';
\(\mathrm{A} \times \mathrm{B}\) means ' A is the mother of B ';
\(A \div B\) means ' \(A\) is the son of \(B\) '.
If, \(\mathrm{W} \times \mathrm{R} \times \mathrm{J}-\mathrm{S} \div \mathrm{V}+\mathrm{L}\), then which of the following statements is NOT correct?
Ans \(\times 1 . \mathrm{V}\) is the father-in-law of J .
- 2. \(L\) is the mother-in-law of \(S\).
\(X\) 3. W is the maternal grandmother of J .
X4. L is the wife of V .
Q. 5 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
\(X\) 1. Television
\(X\) 2. Geyser
X 3. Computer
- 4. Machine
Q. 6 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 7 Which of the following Venn diagrams best represents the relationship between the following classes? Spices, Cumin Seeds, Food
Ans
\(\times 1\)
\(\times 2\).

\(\checkmark 3\).

Х 4.

Q. 8 Select the letter will replace the question mark (?) in the following series.
\(\mathrm{K}, \mathrm{Q}, \mathrm{V}, ?, \mathrm{C}, \mathrm{E}, \mathrm{F}\)
Ans
-1. Z
X 2. Y
X 3. X
X4. A
Q. 9 Which two numbers should be interchanged to make the given equation correct?
\(28+49-35 \div 7 \times 4=68\)
Ans
X 1. 49 and 35
-2. 28 and 35
X 3. 4 and 28
X4. 28 and 49
Q. 10 Select the option in which the given figure X is embedded (rotation is not allowed).


Figure \(\mathbf{X}\)
Ans

Q. 11 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X1. CXE
X 2. UFW
- 3. KPT

X4. BYD
Q. 12 Select the option that is related to the third number in the same way as the second number is related to the first number.
\(8: 576:: 4:\) ?
Ans \(\quad \times 1.120\)
\(\times 2.70\)
- 3. 80
\(\times 4.90\)
Q. 13 Select the option in which the words share the same relationship as that shared by the given pair of words. Ear: Tinnitus

Ans
1. Skin : Acne

X 2. Eye : Ophthalmologist
X 3. Nose : Nerve
X 4. Joints: Muscles
Q. 14 'आकार' का 'मध्यम' से वही संबंध है, जो 'आकृति' का '_ से है।

Ans
X 1. वस्तु
2. अंडाकार
\(\times\) 3. रंग
X4. कोना
Q. 15 How many triangles are there in the given figure?


Ans
X 1.20
- 2. 22

X 3. 24
\(\times 4.23\)
Q. 16 Arrange the following words in a logical and meaningful order.
1. Class
2. Admission
3. Result
4. Examination
5. Marking

Ans
X1.5,3,4,1,2
- 2. \(2,1,4,5,3\)

X 3. 3, 4, 2, 1, 5
X4.2,1,5,3,4
Q. 17 Among 160 players in a tournament, 57 did not participate in any of the three games, i.e. Cricket, Hockey and Badminton. A total of 37 players participated in only one game, 10 players participated in both Cricket and Hockey but not in Badminton, 9 players participated in both Hockey and Badminton but not in Cricket, and 13 players participated in both Cricket and Badminton but not in Hockey. How many students participated in all the three games?
Ans
-1. 34
\(\times 2.32\)
X 3.38
X4. 30
Q. 18 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 19 In a certain code language, 'BLINK' is coded as ' 78 ' and 'PURSE' is coded as ' 54 '. How will 'FIRST' be coded as in that language?

Ans
X 1.71
X2. 76
- 3. 54
\(\times 4.64\)
Q. 20 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6 . Select the number that will be on the face opposite to the one having ' 5 '.


Ans
>1. 3
Х2. 2
- 3. 4
>4.6
Q. 21 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
X \(1.85245: 24\)
X 2. 26584:25
- 3. \(41263: 18\)

X4. \(77052: 21\)
Q. 22 Select the number that can replace the question mark (?) in the following series.
\(58,73,99,138,193, ?, 368\)
Ans
X1. 329
- 2. 268

X3. 312
X4. 260
Q. 23 In a certain code language, 'NECTAR' is written as 'DFOSBU'. How will 'CARPET' be written as in that language?

Ans 1. SBDUFQ
X 2. BDSSUG
\(X\) 3. DBSQGR
X 4. SBDVFR
Q. 24 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{|l|l|l|}
\hline 50 & 48 & 30 \\
\hline 56 & 32 & 40 \\
\hline 350 & 192 & \(?\) \\
\hline
\end{tabular}

Ans
-1. 150
\(\times 2.180\)
\(\times 3.145\)
\(\times 4.140\)
Q. 25 Select the letter-cluster that can replace the question mark (?) in the following series.

DYKM, GZIN, JAGO, MBEP, ?
Ans
X 1. QCCQ
X2. PCDR
-3. PCCQ
X 4. PDDQ
Q. 1 In which of the following Indian airports will the Wings India 2020, international exhibition and conference on the civil aviation sector, be held?
Ans
1. Chaudhary Charan Singh Airport
- 2. Begumpet Airport

X 3. Bagdogra Airport
4 4. Chennai International Airport

\section*{Q. 2 Who was the Governor General of Bengal during the 3rd Anglo-Mysore war?}

Ans
Х 1. Warren Hastings
Х 2. John Macpherson
- 3. 2nd Earl Cornwallis

Х 4. John Shore
Q. 3 Who among the following first translated the Bhagvad Gita in to English?

Ans
1. Sir Alexander Cunningham

X 2. William Jones
X 3. James Prinsep
v 4. Charles Wilkins
Q. 4 Which of the following states topped among all the states with the highest number of fire alerts according to a 2019 report by the Forest Survey of India?
Ans
Х 1. Madhya Pradesh
Х 2. Arunachal Pradesh
X 3. Odisha
4. Mizoram

\section*{Q. 5 Which of the following has the lowest melting point?}

Ans
< 1. Lead
< 2. Zinc
<3. Silver
- 4. Tin

\section*{Q. 6 Who among the following scientists invented Kevlar?}

Ans
Х 1. Marry Anderson
Х 2. George Eastman
- 3. Stephanie Louise Kwolek

X 4. Steve Wozniak
Q. 7 Which of the following is used to remove the green colour from glass?

Ans
X 1 . Silicon dioxide
Х 2. Titanium dioxide
Х 3. Sulphur dioxide
- 4. Manganese dioxide

\section*{Q. 8 How many types of isotopes does Scandium have?}

Ans
X 1.7
X 2.10
X 3.94. 13
Q. 9 In which year was the Hindustan Socialist Republican Association (HSRA) founded?

Ans
< 1.1929
\(\checkmark 2\)
2. 1928
<3. 1930
<4. 1926
Q. 10 Which of the following railway stations has been certified by FSSAI as the country's first 'Eat Right Station'?
Ans
- 1. Mumbai Central
<2. Allahabad
X 3. Jabalpur
(4. Jaipur
Q. 11 Who among the following was NOT a minister of Cabinet Mission Plan, 1946?

Ans
X 1. Sir Pethick Lawrence
- 2. Lord Wavell
3. Sir Stafford Cripps
\$4. Alexander
Q. 12 Which of the following Indian movies was nominated for the 92 nd Oscar Awards?

Ans
- 1. Gully Boy
2. The Surgical Strike
>3. War
(4. Mission Mangal
Q. 13 What was National Highway 66 (NH 66) previously known as?

Ans
(1. NH8
<2. \({ }^{2} \mathrm{H} 5\)
<3. \(\mathrm{NH}_{2}\)
v 4. NH 17
Q. 14 According to India State of Forest Report 2019, how much of the total geographical area of the country is covered by forests and trees?
Ans
X \(1.21 .30 \%\)
X2.34.56\%
- \(3.24 .56 \%\)

Х4.42.56\%
Q. 15 What is the atomic mass of Zirconium?

Ans
Х1.89.22
Х 2.90 .22
- 3.91 .22

Х 4.88 .22
Q. 16 In which of the following states did Khadi and Village Industries Commission (KVIC) open its first Silk Processing Plant?
Ans
- 1. Gujarat

X 2. Haryana
X \({ }^{\text {3.Goa }}\)
X 4. Madhya Pradesh
Q. 17 Who is the author of the book 'Dreams From My Father'?

Ans
1. Olivia Laing
(2. Charles Darwin
- 3. Barack Obama
(4. Navin Chawla
Q. 18 Who among the following is the head of the standing committee on economic statistics set up by Ministry of Statistics and Programme Implementation (MOSPI)?
Ans
1 1. Krishnamurthy Subramanian
X 2. Manmohan Singh
3. Pronab Sen

入 4. Raghuram Rajan
Q. 19 Which player of the Indian Women's Hockey team has been nominated for the 'World Games Athlete of the Year' Award, 2019 by the International Hockey Federation (FIH)?

Ans
Х 1. Reena Khokhar
X 2. Rajani Etimarpu
3. Bichu Devi Kharibam
- 4. Rani Rampal
Q. 20 In which of the following Indian states is the Lai Haraoba festival celebrated?

Ans
2. Goa
3. Kerala4. Manipur
Q. 21 In which of the following temples is the Ambubasi Fair celebrated every year?

Ans
1. Jagnanath temple
\(\checkmark\)
2. Kamakhya temple

X
3. Kashi Vishwanath temple
4. Kedarnath temple
Q. 22 Which of the following Articles is related to the Ancillary powers of Supreme Court?

Ans
X 1. Article 143
- 2. Article 140
- 3. Article 138
(4. Article 150
Q. 23 Which of the following countries had the highest number of new born babies on first day of 2020?

Ans 1. India

Х 2 . China
X 3. Pakistan
X4.USA
Q. 24 In which of the following years were two additional Commissioners appointed to the Election commission of India for the first time?

Ans
- 1.1989

人2. 1998
X 3.1991
X 4.1990
Q. 25 Which of the following players of the Indian cricket team laid the foundation of the Cricket Stadium and Training Centre at 'Heartfulness Institute's' headquarters in Hyderabad?
Ans
1. Yuvraj Singh

X 2. Virat Kohli
3. Rohit Sharma
(4. Sikhar Dhawan

\section*{Section : Quantitative Aptitude}
Q. 1 The average of 60 student's results is 38 . If the average of the first 22 students is 36 , and that of the last 32 students is

32 , then the average result of the remaining students is:
Ans
- 1. 77.33
\(\times 2.65 .30\)
\(X\) 3. 81.9
\(\times 4.52 .12\)
Q. 2 The rate of simple interest on a sum of money is \(5 \%\) p.a. for the first 4 years, \(8 \%\) p.a. for the next 3 years and \(10 \%\) p.a. for the period beyond 7 years. If the simple interest accrued by the sum over a period of 10 years is \(₹ 1,850\), then the sum is:
Ans
X 1. ₹ 1,500
X 2. ₹ 2,750
X 3. ₹ 1,650
- 4. ₹ 2,500
Q. 3 A, B and C can individually complete a task in 20 days, 16 days and 30 days, respectively. If A and B started working on the task, and they worked for 4 days and left, then the number of days required by C to finish the remaining task is:
Ans
1. \(16 \frac{1}{2}\) days
\(\times 2.12 \frac{1}{2}\) days
X 3. 13 days
X4. 10 days
Q. 4 A shopkeeper fixes the price of an article in such a way that after allowing \(32 \%\) discount, he wants a gain of \(14 \%\). If the marked price is \(₹ 342\), then the cost price of the article is:
Ans
\(-1\)
1. ₹204

X 2. ₹ 218
X 3 . ₹ 212
X4. ₹196
Q. 5 The following table gives the details of Five commodities \(\mathrm{A}, \mathrm{B}, \mathrm{C}, \mathrm{D}\) and E with quantity required and their costs for a family in a month. Study the table and answer the questions that follow,
\begin{tabular}{|l|c|l|l|}
\hline \multirow{2}{*}{ Commodity } & \multirow{2}{|l|}{\begin{tabular}{l} 
Quantity \\
required/month \\
(in kg)
\end{tabular}} & \multicolumn{2}{|l|}{ Rate/kg in ₹ } \\
\cline { 3 - 4 } & & Year 2016 & Year 2019 \\
\hline A & 15 & \(₹ 60\) & ₹ 80 \\
\hline B & 20 & \(₹ 50\) & ₹ 60 \\
\hline C & 12 & \(₹ 35\) & \(₹ 40\) \\
\hline D & 40 & \(₹ 75\) & \(₹ 85\) \\
\hline E & 8 & \(₹ 64\) & \(₹ 72\) \\
\hline
\end{tabular}

The ratio of the total amount spent on A and D commodities in the year 2019 is:
Ans
X1.3:8
X 2. 15:17
- 3. \(6: 17\)

X \(4.1: 1\)
Q. 6 In a triangle \(\mathrm{ABC}, \mathrm{DE}\) is parallel to \(\mathrm{BC} ; \mathrm{AD}=\mathrm{a}, \mathrm{DB}=\mathrm{a}+4, \mathrm{AE}=2 \mathrm{a}+3, \mathrm{EC}=7 \mathrm{a}\). What is the value of ' a ' if \(\mathrm{a}>0\) ?

Ans

\(\times 2.5\)
\(\times 3.6\)
\(\times 4.4\)
Q. 7 The following table gives the details of Five commodities \(\mathrm{A}, \mathrm{B}, \mathrm{C}, \mathrm{D}\) and E with quantity required and their costs for a family in a month. Study the table and answer the questions that follow.
\begin{tabular}{|l|c|c|l|}
\hline Commodity & \multirow{2}{|c|}{\begin{tabular}{l} 
Quantity \\
required/month \\
(in kg)
\end{tabular}} & \multicolumn{2}{|l|}{ Rate/kg in ₹ } \\
\cline { 3 - 4 } & Year 2016 & Year 2019 \\
\hline A & 15 & \(₹ 60\) & \(₹ 80\) \\
\hline B & 20 & \(₹ 50\) & \(₹ 60\) \\
\hline C & 12 & \(₹ 35\) & \(₹ 40\) \\
\hline D & 40 & \(₹ 75\) & \(₹ 85\) \\
\hline E & 8 & \(₹ 64\) & \(₹ 72\) \\
\hline
\end{tabular}

The percentage of increase(per kg) in the rate of commodity D from 2016 to 2019 is:
Ans
X 1. 38.24\%
2. \(5 \%\)
- 3. \(13.33 \%\)

X4. 22.17\%
Q. 8 Two circles of radii 8 cm and 6 cm touch each other externally. The length of the direct common tangent is:

Ans 1. 13.86
\(\times 2.20\)
\(\times 3.24\)
X4. 10.12
Q. 9 The following table gives the details of Five commodities \(\mathrm{A}, \mathrm{B}, \mathrm{C}, \mathrm{D}\) and E with quantity required and their costs for a family in a month. Study the table and answer the questions that follow.
\begin{tabular}{|l|c|l|l|}
\hline Commodity & \multirow{2}{|c|}{\begin{tabular}{l} 
Quantity \\
required/month \\
(in kg)
\end{tabular}} & \multicolumn{2}{|c|}{ Rate/kg in ₹ } \\
\cline { 3 - 4 } & Year 2016 & Year 2019 \\
\hline A & 15 & \(₹ 60\) & ₹ 80 \\
\hline B & 20 & \(₹ 50\) & \(₹ 60\) \\
\hline C & 12 & \(₹ 35\) & ₹ 40 \\
\hline D & 40 & \(₹ 75\) & ₹ 85 \\
\hline E & 8 & \(₹ 64\) & \(₹ 72\) \\
\hline
\end{tabular}

The amount spent extra on commodities B and C in the year 2019 as compared to that in the year 2016, is:
Ans
- 1. ₹260

X 2. ₹192
X 3. ₹248
X4. ₹110
Q. 10 An article was sold at a gain of \(16 \%\). If it had been sold for \(₹ 36\) more, the gain would have been \(20 \%\). The cost price of the article is
Ans
X 1. ₹ 862
- 2. ₹900

X 3. ₹ 720
X4. ₹ 810
Q. 11 The sum of the squares of 3 natural numbers is 1029 , and they are in the proportion \(1: 2: 4\). The difference between greatest number and smallest number is:
Ans 1. 21
\(\times 2.18\)
X 3.15
\(\times 4.31\)
Q. 1225 litres of a mixture contains \(30 \%\) of spirit and rest water. If 5 litres of water be mixed in it, the percentage of spirit in the new mixture is:
Ans
X \(1.12 \frac{1}{2} \%\)
X2. \(33 \frac{1}{3} \%\)
X 3. \(45 \%\)
- 4. \(25 \%\)
Q. 13 The following Table gives the details of Five commodities A, B, C, D and E with quantity required and their costs for a family in a month. Study the Table and answer the questions that follow.
\begin{tabular}{|l|c|c|l|}
\hline \multirow{2}{*}{ Commodity } & \begin{tabular}{c} 
Quantity \\
required/month \\
(in kg)
\end{tabular} & \multicolumn{3}{|l|}{ Rate/kg in ₹ } \\
\cline { 3 - 4 } & Year 2016 & Year 2019 \\
\hline A & 15 & \(₹ 60\) & \(₹ 80\) \\
\hline B & 20 & \(₹ 50\) & \(₹ 60\) \\
\hline C & 12 & \(₹ 35\) & \(₹ 40\) \\
\hline D & 40 & \(₹ 75\) & \(₹ 85\) \\
\hline E & 8 & \(₹ 64\) & \(₹ 72\) \\
\hline
\end{tabular}

The total amount spent on the Five commodities by the family in the year 2019 is:
Ans
1. ₹ 6,856
X 2. ₹ 7,248
X 3. ₹ 8,122
X 4. ₹5,400
Q. 14 In \(\triangle A B C\), if the ratio of angles is in the proportion \(3: 5: 4\), then the difference between the biggest and the smallest angles (in degrees) is:

Ans
\(\times 1.35^{\circ}\)
\(\times 2.25^{\circ}\)
- 3. \(30^{\circ}\)
\(\times 4.20^{\circ}\)
Q. 15 If \(a^{3}+\frac{1}{a^{3}}=52\), then the value of \(2\left(a+\frac{1}{a}\right)\) is:

Ans
\(\times 1.4\)
-2. 8
X 3.6
\(\times 4.2\)
Q. 16

The value of \(4\left[\frac{(1-\sec A)^{2}+(1+\sec A)^{2}}{1+\sec ^{2} A}\right]\) is:
Ans
-1. 8
> \({ }^{1} 1\)
Х3.4
Х4. 2
Q. 17 The inner and outer radius of a circular track are, respectively, 29 m and 23 m . The cost of levelling the track at \(₹ 7 / \mathrm{m}^{2}\) is:
Ans
X 1. ₹ 3,284
X 2. ₹ 5,300
X 3. ₹ 7,215
- 4. ₹ 6,864
Q. 18 What is the smallest integer that is divisible by 3,7 and 18 ?

Ans
\(\times 1.72\)
\(\times 2.252\)
\(\times 3.63\)
4. 126
Q. 19 If \(0<A, B<45^{\circ}, \cos (A+B)=\frac{24}{25}\) and \(\sin (A-B)=\frac{15}{17}\), then \(\tan 2 A\) is:

Ans

\(\times 2.0\)
\(\times 3.1\)
- 4. \(\frac{416}{87}\)
Q. 20 The value of \(\frac{[54-(5 \div 2) \times 8]+13}{48-4 \div 3 \times 8-2}\) is:

Ans
X1. \(\frac{89}{127}\)
\(\times 2 . \frac{89}{106}\)
\(\times\) 3. \(\frac{141}{127}\)
- \(4 . \frac{141}{106}\)
Q. 21 If \(x^{2}-4 x+4=0\), then the value of \(16\left(x^{4}-\frac{1}{x^{4}}\right)\) is:

Ans
\(X 1 \cdot \frac{127}{16}\)
X2. 127
X 3. \(\frac{255}{16}\)
- 4. 255
Q. \(22 \mathrm{~A}, \mathrm{~B}\) and C are three points on a circle such that the angles subtended by the chords AB and AC at the centre O are \(80^{\circ}\) and \(120^{\circ}\), respectively. The value of \(\angle \mathrm{BAC}\) is:
Ans
\(\times 1.75^{\circ}\)
\(\times 2.85^{\circ}\)
\(\times 3.70^{\circ}\)
- \(4.80^{\circ}\)
Q. 23 A train crosses a platform 180 m long in 60 sec at a speed of \(72 \mathrm{~km} / \mathrm{h}\). The time taken by the train to cross an electric pole is:
Ans
\(X 1.5 .1 \mathrm{sec}\)
- 2. 51 sec

X3. 5.1 min
X4. 0.51 min
Q. 24 If \(\mathrm{b}+\mathrm{c}=\mathrm{ax}, \mathrm{c}+\mathrm{a}=\mathrm{by}, \mathrm{a}+\mathrm{b}=\mathrm{cz}\), then the value of \(\frac{1}{9}\left[\frac{1}{x+1}+\frac{1}{y+1}+\frac{1}{z+1}\right]\) is:

Ans
Х1. 0
> 2.1
- \(3 . \frac{1}{9}\)

Х4. \(\frac{1}{3}\)
Q. 25 If \(A\) lies in third quadrant, and \(20 \tan A=21\), then the value of \(\frac{5 \sin A-2 \cos A}{4 \cos A-\frac{5}{7} \sin A}\) is:

Ans
X1. \(\frac{5}{29}\)
X2. \(\frac{-65}{29}\)
- 3. 1

X4. \(\frac{13}{12}\)
Q. 1 Select the correctly spelt word.

Ans
- 1. Catalogue

X 2. Agression
Х 3. Temprature
(4. Millionare
Q. 2 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It provides training for the development of oral and aural skills and is a great supplement to classroom teaching.
B. Technology is growing very fast day by day and is contributing a lot towards improving communication skills.
C. Thus, it is the responsibility of a teacher to make the learners understand that their aim is
to master the language, not the technology.
D. However, it cannot be a substitute for the conventional method of language teaching.

Ans
> 1. ACBD
< 2. DACB
* 3 . BCDA
- 4. BADC

\section*{Q. 3 Select the correct indirect narration of the given sentence.}

She said, "We visited Uttarakhand in the summer vacation."
Ans
< 1. She said that they will visit to Uttarakhand in the summer vacation.
- 2. She said that they had visited Uttarakhand in the summer vacation.
3. She said that we visited Uttarakhand in the summer vacation.
. 4. She said that they have visited Uttarakhand in the summer vacation.
Q. 4 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement.

If he doesn't score forty percent in all the subjects, he would not be promoted to the next class.

Ans
(1. No improvement
v 2. will not be
< 3. was not being
< 4. is not being
Q. 5 Select the most appropriate word to fill in the blank.

The reckless young man was \(\qquad\) for the debts incurred by him.

Ans
< 1. audacious
< 2. reliable
- 3. liable
(4. suspicious
Q. 6 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A person who attracts attention with a flashy style
Ans
< 1. Jockey
< 2. Glutton
- 3. Flamboyant
(4. Vagabond

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Environmental pollution is a global problem and (1) \(\qquad\) threat to human survival. The causes of pollution are quite (2) \(\qquad\) such as amination of water, cutting of trees and forests, emission of toxic gases etc. Due to (3) \(\qquad\) factors, the flora and fauna are adversely affected. An awareness to protect the environment is everybody's (4) \(\qquad\) duty and we should collectively come forward for this noble campaign. Government is taking strong (5) \(\qquad\) to check the menace of pollution.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank No. 1

Ans
Х 1.some
2. the
v 3 a
X4.an

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Environmental pollution is a global problem and (1) \(\qquad\) threat to human survival. The causes of pollution are quite (2) \(\qquad\) , such as contamination of water, cutting of trees and forests, emission of toxic gases etc. Due to (3) \(\qquad\) factors, the flora and fauna are adversely affected. An awareness to protect the environment is everybody's (4) \(\qquad\) duty and we should collectively come forward for this noble campaign. Government is taking strong (5) \(\qquad\) to check the menace of pollution.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank No. 2

Ans
X1. enough
Х 2. plenty
X 3.many4. numerous

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Environmental pollution is a global problem and (1) \(\qquad\) threat to human survival. The causes of pollution are quite (2) \(\qquad\) such as amination of water, cutting of trees and forests, emission of toxic gases etc. Due to (3) \(\qquad\) factors, the flora and fauna are adversely affected. An awareness to protect the environment is everybody's (4) \(\qquad\) duty and we should collectively come forward for this noble campaign. Government is taking strong (5) \(\qquad\) to check the menace of pollution.

SubQuestion No : 9
Q. 9 Select the most appropriate option for blank No. 3

Ans
> 1 .that
入 2. those
3 3. this
- 4. these

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Environmental pollution is a global problem and (1) \(\qquad\) threat to human survival. The causes of pollution are quite (2) \(\qquad\) , such as contamination of water, cutting of trees and forests, emission of toxic gases etc. Due to (3) \(\qquad\) factors, the flora and fauna are adversely affected. An awareness to protect the environment is everybody's (4) \(\qquad\) duty and we should collectively come forward for this noble campaign. Government is taking strong (5) \(\qquad\) to check the menace of pollution.

SubQuestion No : 10
Q. 10 Select the most appropriate option for blank No. 4

Ans
> 1. pious2. urgent
3. moral
4. dubious

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Environmental pollution is a global problem and (1) \(\qquad\) threat to human survival. The causes of pollution are quite (2) \(\qquad\) such as amination of water, cutting of trees and forests, emission of toxic gases etc. Due to (3) \(\qquad\) factors, the flora and fauna are adversely affected. An awareness to protect the environment is everybody's (4) \(\qquad\) duty and we should collectively come forward for this noble campaign. Government is taking strong (5) \(\qquad\) to check the menace of pollution.

SubQuestion No : 11
Q. 11 Select the most appropriate option for blank No. 5

Ans
1. programmes

2 2. attempts
3. enticements
- 4. measures
Q. 12 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A person who preaches religion and is considered to be a messenger of God.
Ans
- 1. Prophet
2. Atheist

3 3 . Volunteer
X4. Scholar
Q. 13 Select the most appropriate antonym of the given word.

GROTESQUE
Ans
Х1. Monstrous
2. Attractive

X 3. Distorted
X 4. Ugly
Q. 14 In the sentence identify the segment which contains the grammatical error.

All employees of the National Sugar Factory differ from their boss on the medical and pension policy.
Ans
(1. on the medical and pension policy
- 2. differ from their boss

K 3. All employees
X 4. of the National Sugar Factory
Q. 15 Select the correctly spelt word.

Ans
\$ 1. Itinarary
< 2. Rennaissance
* 3. Greivance
- 4. Sovereignty
Q. 16 Select the most appropriate synonym of the given word.

Juvenile
Ans
(1. Mature
< 2. Insane
X 3. Wise
v 4. Childish
Q. 17 Select the most appropriate meaning of the given idiom.

Like a dying duck in a thunderstorm
Ans
(1. Daring
2. Confident
- 3. Dejected
4. Comfortable
Q. 18 In the sentence identify the segment which contains the grammatical error.

She behaves in a such a cordial manner that everyone admires her.
Ans
v 1. She behaves in a
2. such a cordial manner
3. that everyone
<4. admires her
Q. 19 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It was an honor as well as a relief to the family of the deceased.
B. The district collector announced a gallantry award and financial aid for his family.
C. A soldier died fighting in the battlefield.
D. The money was promptly disbursed from the Prime Minister's Relief Fund.

Ans

Q. 20 Select the most appropriate antonym of the given word.

STRINGENT
Ans
- 1. Lenient

2 2. Strict
<3. Severe
< 4. Stern
Q. 21 Select the most appropriate synonym of the given word.

Repercussion
Ans
- 1. Reaction
2. Rearrangement
< 3. Reminder
< 4. Recollection
Q. 22 Select the correct passive form of the given sentence.

Why do you spend so much money?
Ans
1. Why has so much money been spent by you?
2. Why is so much money being spent by you?
3. Why was so much money spent by you?
4. Why is so much money spent by you?
Q. 23 Select the most appropriate word to fill in the blank.

The unruly behaviour of the students \(\qquad\) their teacher.

Ans
X 1. calmed2. pleased
3. comforted
4. irritated
Q. 24 Select the most appropriate meaning of the given idiom.

To paddle one's own canoe
Ans
- 1. Depend on oneself
2. To take rest
3. To exercise hard
4. To act in a childish way
Q. 25 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement.

No soon the Chief Minister step in than the bomb exploded.
Ans
v 1. No sooner did the Chief Minister
Х 2. No sooner does the Chief Minister
3. No soon had the Chief Minister

X4. No Improvement

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|ll|}
\hline Roll Number & & \\
\hline E Tayari & \\
\hline Venue Name & \\
\hline Exam Date & \(07 / 03 / 2020\) \\
\hline Exam Time & 10:00 AM \(-11: 00\) AM & \\
\hline Subject & CGLE Tier I & \\
\hline \hline
\end{tabular}

Section : General Intelligence and Reasoning
Q. 1 Select the box that CANNOT be formed by folding the given unfolded box.


Ans
\(\times 1\)

\(x\).

\(\times 3\).

4

Q. 2 A private taxi company charges a fixed charge along with a per kilometer charge based on the distance covered. For a journey of 24 km , the charges paid are ₹ 368 and for a journey of 32 km , the charges paid are ₹ 464 . How much will a person have to pay for travelling a distance of 15 km ?
Ans
X 1. ₹ 180
X 2. ₹ 280
X 3. ₹ 290
- 4. ₹ 260
Q. 3 Select the correct combination of mathematical signs to sequentially replace the * signs, to balance the following equation.
\((14 * 9 * 6) * 15 * 8\)
Ans
<1. \(-\div, \times,=\)
\(\times 2 \div,-,=, \times\)
- \(3 . \times,-, \div,=\)
>4. \(\times,=\div,-\)
Q. 4 The given Venn diagram represents results of a class of students:

The triangle represents students who scored \(85 \%\) and above in Maths, the circle represents students who scored \(85 \%\)
and above in English, the rectangle represents students who scored \(85 \%\) and above in Science, and the square represents
students who scored \(85 \%\) and above in Social Sciences. The numbers given in the diagram represent the number of
students in that particular category.


How many students scored \(85 \%\) and above in all the subjects?
Ans
\(\times 1.15\)
\(\times 2.11\)
- 3.5

X 4.17
Q. 5 Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

BRWOQWRB
Ans
入1. BBMOOMBB
จ 2. 8ЯWOOWЯ8
\(x^{\text {з. BgWOOWЯB }}\)
X4. 8яwOOWяя
Q. 6 Select the figure that can replace the question mark (?) in the following series.


Ans

\(\checkmark 4\).

Q. 7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)
from the statements.
Statements:
1. Some cars are buses.
2. Some buses are trucks.
3. Some trucks are scooters

Conclusions:
I. Some cars are scooters.
II. Some trucks are buses.
III. Some scooters are buses
IV. All scooters are trucks.

Ans
\(X\) 1. All the conclusions follow.
\(X\) 2. Only conclusions II and IV follow.
\(X\) 3. Only conclusions I and II follow.
- 4. Only conclusion II follows.
Q. 8 Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series. p_rsqrps_pqs_qr_qrps_p_s
Ans
Х 1. q, r, p, p, r, q
- 2. q, r, p, s, r, q

Х \(3, \mathrm{r}, \mathrm{p}, \mathrm{q}, \mathrm{s}, \mathrm{r}, \mathrm{q}\)
Х4. p,r, p, s, r, p
Q. 9 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.
Ans
-1. \(25 / 41: 8\)
X2. 16/20:6
X 3. 30/51:9
X4.4/5:3
Q. 10 In a certain code language, CIRCULAR is coded as 24-3-9-24-1-15-5-9. How will VERTICAL be coded as in that language?

Ans
( 1. 22-4-9-7-3-23-1-15
2. 5-4-9-7-3-24-5-15
\(X\) 3. 22-4-9-7-9-24-5-15
X 4. 5-2-9-7-3-24-5-15
Q. 11 In a certain code language, 'CREATION' is written as RCAEITNO. How will 'SEQUENCE' be written as in that language?
Ans
1. ESUQNEEC

X 2. ESUQENEC
X 3. QESEUENC
X 4. QESEUCNE
Q. 12 Select the option figure in which the given figure is embedded (rotation is NOT allowed).


Ans


Q. 13 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 14 Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter-cluster.

Ans
X 1. NQT
X 2. SVY
X 3. XAD
- 4. FIK
Q. 15 Select the number that can replace the question mark (?) in the following series.
\(17,19,22,27,34,45,58\) ?
Ans
\(\times 1.67\)
\(\times 2.73\)
- 3.75

X4.78
Q. 16 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{|l|l|l|}
\hline 29 & 71 & 67 \\
\hline 8 & 11 & 14 \\
\hline 4 & 7 & \(?\) \\
\hline 3 & 6 & 3 \\
\hline
\end{tabular}

Ans
1. 3
2. 5
\(\times 3.4\)
<4. 6
Q. 17 How many triangles are present in the given figure?


Ans
X1. 26
X 2.22
X 3.28
4. 30
Q. 18 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
\(6: 16:: 20: ?:: 11: 81\)
Ans
\(\times 1.91\)
2. 324

X 3.361
X4.120
Q. 19 Select the option in which the numbers are related in the same way as are the numbers in the given set.
\(17: 102: 153\)
Ans
X1.13:78:108
- 2. 16:96:144

X 3.18:104:171
X4. 23:162:207
Q. 20 Select the letter-cluster that can replace the question mark (?) in the following series. eBd, hXi, kTn, nPs, ?
Ans
X 1. Qlv
X 2. qKx
X 3. pLw
- 4. qLx
Q. \(21 \mathrm{~A}+\mathrm{B}\) means ' A is the mother of B ';
\(\mathrm{A}-\mathrm{B}\) means ' A is the husband of B ';
\(A \times B\) means ' \(A\) is son of \(B\) ';
\(A \div B\) means ' \(A\) is the daughter of \(B\) '.
If, \(\mathrm{W} \times \mathrm{Z}+\mathrm{Y} \div \mathrm{X}\), then how is X related to Z ?
Ans
\(X\) 1. Daughter
\(X\) 2. Wife
- 3. Husband

X4. Son
Q. 22 Select the option that is related to the third word in the same way as the second word is related to the first word. Amusing : Hilarious :: Moisten : ?
Ans
1. Soak
\(X\) 2. Humid
\(X\) 3. Water
X4. Dry
Q. 23 Arrange the following words in the order in which they appear in an English dictionary.
1. Decipher
2. Decide
3. Decline
4. Deceive
5. Decimal
6. Decision

Ans
1. \(4,3,2,1,5,6\)
\(\times 2.3,5,4,1,6,2\)
X 3. 4, 5, 2, 1, 6, 3
4. \(4,2,5,1,6,3\)
Q. 24 Select the option in which the words share the same relationship as that shared by the given pair of words. Bacteria : Illness

Ans
X 1. Appraisal : Performance
- 2. Carelessness : Errors

X 3. Disease : Doctor
X 4. Painting : Painter
Q. 25 Four words have been given, out of which three are alike in some manner, while one is different. Select the odd word.

Ans
X 1. Roar
\(X\) 2. Shout
\(X\) 3. Scream
4. Mumble

\footnotetext{
Section: General Awareness
}
Q. 1 Pradhan Mantri Jeevan Jyoti Bima Yojana offers a protection term insurance cover of
\(\qquad\)
Ans
1. ₹2 Lakh
> 2. ₹5 Lakh
入3. ₹8 Lakh
入4. ₹4 Lakh
Q. 2 Which among the following is NOT an insulator?

Ans
- 1. Mercury
2. Dry Paper3. Glass
4. Ebonite
Q. 3 Which Indian male cricketer won the BCCI CK Nayudu Lifetime Achievement Award for the year 2019?
Ans
- 1. K Srikanth

X 2. Sachin Tendulkar
X 3. Rahul Dravid
<
4. Sunil Gavaskar
Q. 4 With reference to the Vedangas, which of the following terms denotes 'Ritual'?

Ans
<1. Chanda
- 2. Kalpa

X 3. Vyakarana
>
4. Shiksha
Q. 5 Where is the Dharmraja Ratha monument located?

Ans
-1. Suchindram
X
2. Kanchipuram
3. Mahabalipuram
<4. Khajuraho
Q. 6 Who was appointed as brand ambassador of Visa - the payment technology company in 2019?
Ans
1. PT Usha
2. P.V. Sindhu
3. Dutee Chand
(4. Sania Mirza
Q. 7 Who is the author of the book 'Wise and Otherwise: A Salute to Life'?

Ans
X1. Zoya Hasan2. Amrita Pritam3. Sudha Murthy

X4. Kiran Desai
Q. 8 Which of the following states does NOT share its boundary with Bangladesh?

Ans
入1. Meghalaya
(2. Tripura
\(\$\)
3. Assam
4. Manipur
Q. 9 Pravasi Bharatiya Divas is celebrated on:

Ans
(1.2nd January

X 2. 8th January
- 3. 9th January4. 1st January
Q. 10 The Pritzker prize is an international award given to recognise contribution in the field of \(\qquad\)
Ans
< 1. medicine
2. literature
3. mathematics
4. architecture
Q. 11 Which of the following rivers forms the Dhuandhar waterfall near Jabalpur?

Ans
<1. Tapi
X 2. Luni
3. Narmada
(4. Tungabhadra
Q. 12 The power of a lens is -2.0 D . Here ' D ' stands for:

Ans
<1. dilation2. distance
3. dioptre
\(x\)
4. degree
Q. 13 Select the correct pair of dance form and its state.

Ans
- 1. Padayani - Kerala2. Dalkhai - Karnataka
3. Thang Ta - Bihar

X
4. Kalbelia - Himachal Pradesh
Q. 14 Which among the following has its refractive index closest to that of crown glass?

Ans \(\times\) 1. Sapphire
(2. Ruby

X 3. Diamond
- 4. Canada balsam
Q. 15 The Indian National Congress session of September 1920 was held at \(\qquad\) -.
Ans
- 1. Calcutta
(2. Madras

X
3. Nagpur
4. Lucknow

\section*{Q. 16 For which game has the Father of Leander Paes been a member of the Indian National} Team?

Ans
1. Hockey
\(>\)
2. Basketball
<3. Tennis
<4. Badminton

\section*{Q. 17 What does 'T' stand for in ATM?}

Ans
<1. Transfer2. Trunk3. Teller
<4. Transaction
Q. 18 Which of the following pairs is CORRECT with reference to mountain passes?

Ans
X 1
1. Rohtang - Sikkim
2. Lipulekh - Uttarakhand3. Bomdila - Himachal Pradesh4. Nathula - Arunachal Pradesh
Q. 19 In which year was the first amendment to the Constitution of India made?

Ans
X1.1950
2. 19533. 19514. 1952
Q. 20 Which among the following is a cation?

Ans
- 1. Ammonium

Х 2. lodide
<3. Fluoride
<4. Chloride
Q. 21 Which of the following monasteries is located in Sikkim?

Ans
1. Rumtek

Х2. Kye
(3. Hemis4. Tabo
Q. 22 The scientific study of a cell is called:

Ans
\1. taxonomy
< 2. physiology
X3. histology
- 4. cytology
Q. 23 Which of the following Articles of the Constitution of India guarantees the Right to Freedom of Religion?

Ans
<1. Articles 19-22
\(>\)
2. Articles 23-24
\(\$\)
3. Articles 14-184. Articles 25-28
Q. 24 In December 2019, the Rohtang passageway in Himachal Pradesh was renamed as:

Ans
- 1. Atal Tunnel
2. Mukherjee Tunnel
\(>\)
3. Swaraj Tunnel4. Bose Tunnel
Q. 25 The Council of Ministers during the time of Shivaji Maharaj was known as:

Ans
1. Ashta Pradhan
2. Navaratnas
3. Agraharam
(4. Ashta Diggajas

\footnotetext{
Section : Quantitative Aptitude
}
Q. 1 The value of \(\frac{1-2 \sin ^{2} \theta \cos ^{2} \theta}{\sin ^{4} \theta+\cos ^{4} \theta}-1\) is :

Ans
X \(1 .-1\)
\(\times 2.1\)
X 3. \(-2 \sin ^{2} \theta \cos ^{2} \theta\)
4. 0
Q. 2 From the given table, what is the percentage of students scoring 40 or more, but less than 70 .
\begin{tabular}{|l|l|l|l|l|l|l|l|}
\hline Scores & \begin{tabular}{l} 
less than \\
20
\end{tabular} & \begin{tabular}{l} 
less than \\
30
\end{tabular} & \begin{tabular}{l} 
less than \\
40
\end{tabular} & \begin{tabular}{l} 
less than \\
50
\end{tabular} & \begin{tabular}{l} 
less than \\
60
\end{tabular} & \begin{tabular}{l} 
less than \\
70
\end{tabular} & \begin{tabular}{l} 
less than \\
80
\end{tabular} \\
\hline \begin{tabular}{l} 
No. of \\
students
\end{tabular} & 12 & 19 & 22 & 31 & 38 & 46 & 50 \\
\hline
\end{tabular}

Ans
1. \(48 \%\)

X2.8\%
\(\times 3.96 \%\)
X4.56\%
Q. 3 The Value of \(3-(9-3 \times 8 \div 2)\) is

Ans
X 1. -21
- 2.6
\(\times 3.0\)
\(\times 4 . \frac{21}{2}\)
Q. 4 The coefficient of \(y\) in the expansion of \((2 y-5)^{3}\), is:

Ans
- 1. 150
\(\times 2.50\)
X 3. -30
X4. -150
Q. 5 In a school, the distribution of teachers is as follows:
\begin{tabular}{|l|l|l|l|l|l|l|l|}
\hline Age (years) & \(20-25\) & \(25-30\) & \(30-35\) & \(35-40\) & \(40-45\) & \(45-50\) & \(50-55\) \\
\hline No. of Teachers & 2 & 3 & 5 & 2 & 6 & 7 & 5 \\
\hline
\end{tabular}

The total number of teachers of age less than 40 years is:
Ans
1.12
\(\times \quad 1.10\)

X3. 39
X4. 18
Q. 6 Ten men or twelve women can finish the same work in 10 days. If 5 men and 2 women undertake the work together, how many days will they take to complete the work?

Ans
- 1.15
\(\times 2.40\)
\(\times\) 3. 204. 60
Q. 7 In an examination, Anita scored \(31 \%\) marks and failed by 16 marks. Sunita scored \(40 \%\) marks and obtained 56 marks more than those required to pass. Find the minimum marks required to pass.
Ans
X 1.3116
2. 264
\(\times\) 3. 3944
\(\times 4.7100\)
Q. 8 If the given number \(925 \times 85\) is divisible by 11 , then the smallest value of \(x\) is:

Ans
<1.12. 2
\(\times 3.3\)
-4. 4
Q. 9 Two cars A and B leave Delhi at 8:30 a.m. and at 9 a.m. for Shimla, respectively. They travel at the speeds of \(40 \mathrm{~km} / \mathrm{h}\) and \(50 \mathrm{~km} / \mathrm{h}\) respectively. How many kilometres away from Delhi will the two cars be together?
Ans
X1. 45 km
- 2. 100 km

X 3. 200 km
X 4.5 km
Q. 10 What is the value of \(\sin 30^{\circ}+\cos 30^{\circ}-\tan 45^{\circ}\) ?

Ans
ง. \(\frac{\sqrt{3}-1}{2}\)
X2. \(\frac{\sqrt{2}+1}{\sqrt{2}}\)
X \(3 \cdot \frac{\sqrt{3}+1}{2}\)
X4. \(\frac{1-\sqrt{3}}{2}\)
Q. 11 While selling an article of marked price \(₹ 5,040\) at a discount of \(40 \%\), if a trader gains \(20 \%\), then the profit in \(₹\) is:

Ans
X 1. ₹ 642
- 2. ₹504

X 3 . \(₹ 720\)
X4. ₹ 2,520
Q. 12 By selling 18 table fans for \(₹ 11,664\) a man incurs a loss of \(10 \%\). How many fans should he sell for \(₹ 17,424\) to earn \(10 \%\) profit?

Ans
1. 18
2. 22

X 3.20
4. 23
Q. 13 In the given figure, \(\cos \theta\) is equal to:


Ans
-1. \(\frac{5}{13}\)
\(\times 2 \frac{12}{13}\)
X3. \(\frac{5}{12}\)
\(\times 4 . \frac{12}{5}\)
Q. 14 In the given figure, MP is tangent to a circle with centre \(A\) and \(N Q\) is a tangent to a circle with centre \(B\). If \(M P=15 \mathrm{~cm}\), \(\mathrm{NQ}=8 \mathrm{~cm}, \mathrm{PA}=17 \mathrm{~cm}\) and \(\mathrm{BQ}=10 \mathrm{~cm}\), then AB is:


Ans
X 1.28 cm
- 2. 14 cm

X 3.13 .5 cm
X4. 23 cm
Q. 15 In the given figure, the measure of \(\angle B A C\) is:


Ans
\(\times 1.56^{\circ}\)
\(\times 2.62^{\circ}\)
\(\times 3.58^{\circ}\)
- \(4.48^{\circ}\)
Q. 16 The simple interest on a sum of \(₹ 50,000\) at the end of two years is \(₹ 4,000\). What would be the compound interest on the same sum at the same rate for the same period?
Ans
X 1. ₹ 4,040
- 2. ₹ 4,080

X 3. ₹ 4,008
X4. ₹ 8,000
Q. 17 If \(1-64 x^{3}-12 x+p x^{2}=(1-4 x)^{3}\), then the value of \(p\) is:

Ans
-1. 48
X 2. -12
\(\times\) 3. -48
\(\times 4.16\)
Q. 18 In the figure, if \(\angle A=100^{\circ}\) then \(\angle C=\) ?


Ans
\(\times 1.50^{\circ}\)
X \(2.90^{\circ}\)
- \(3.80^{\circ}\)
\(\times 4.100^{\circ}\)
Q. 19 The value of \(151^{2}-149^{2}\) is:

Ans
-1. 600
X2. 300
\(\times\) 3. \(2^{2}\)
\(\times 4.400\)
Q. 20 In the given figure, \(\triangle A B C\) is an isosceles triangle, in which \(\mathrm{AB}=\mathrm{AC}, \mathrm{AD} \perp \mathrm{BC}, \mathrm{BC}=6 \mathrm{~cm}\) and \(\mathrm{AD}=4 \mathrm{~cm}\). The length of \(A B\) is:


Ans
X 1.7 cm
\(\times 2.6 \mathrm{~cm}\)
- 3 cm
\(\times 4.4 \mathrm{~cm}\)
Q. 21 The area of the four walls of a room having length 6 m , breadth 4 m and height 4 m , is:

Ans
X1. \(50 \mathrm{~m}^{2}\)2. \(60 \mathrm{~m}^{2}\)

X 3. \(40 \mathrm{~m}^{2}\)
- 4. \(80 \mathrm{~m}^{2}\)
Q. 22 If \(\mathrm{A}: \mathrm{B}=3: 5\), and \(\mathrm{B}: \mathrm{C}=2: 3\), then \(\mathrm{A}: \mathrm{B}: \mathrm{C}\) is equal to:

Ans
X1.3:8:6
\(X 2\)
2. \(3: 7: 3\)
\(\checkmark\)
3. \(6: 10: 15\)

人4.6:15:10
Q. 23 Study the given table carefully and answer the question that follows.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & 2010 & 2011 & 2012 & 2013 & 2014 \\
\hline \begin{tabular}{l} 
Number of students that appeared for \\
an examination
\end{tabular} & 600 & 750 & 840 & 960 & 1020 \\
\hline Number of students passed & 420 & 510 & 525 & 620 & 810 \\
\hline \begin{tabular}{l} 
Number of students passed with \\
distinction
\end{tabular} & 120 & 165 & 210 & 324 & 450 \\
\hline
\end{tabular}

The percentage of students who have passed with distinction in the year 2012, is:
Ans
-1. \(25 \%\)2. \(20 \%\)

X 3. \(22 \%\)
X4.27\%
Q. 24 The average of five consecutive odd numbers is m . If the next three odd numbers are also included, then what is the increase in the average?

Ans
\(\times 2.0\)
\(\times 3.17\)
\(\times\)
4. 8
Q. 25 In a particular year, the number of students enrolled in different streams in a College is as follows:
\begin{tabular}{|l|l|l|l|l|l|l|l|}
\hline \multicolumn{2}{|l|}{ Science } & \multicolumn{2}{l|}{ Arts } & \multicolumn{2}{l|}{ Commerce } & \multicolumn{2}{l|}{ Vocational } \\
\hline Boys & Girls & Boys & Girls & Boys & Girls & Boys & Girls \\
\hline 32 & 18 & 28 & 45 & 42 & 42 & 13 & 30 \\
\hline
\end{tabular}

The percentage of girl students is:
Ans
X1. \(46 \%\)
X2. \(50 \%\)
X 3. \(135 \%\)
- \(4.54 \%\)

\section*{Section : English Comprehension}
Q. 1 Select the most appropriate synonym of the given word.

Sacred
Ans
1. Holy
< 2. Scarce
X
3. Precious4. Valued
Q. 2 Select the option that can be used as a one word substitute for the given group of words.

A game in which neither party wins
Ans
(1. Quit
v 2. Draw
<3. Flop
>4. Equal
Q. 3 Select the correct passive form of the given sentence.

The children sang the National Anthem with great enthusiasm.
Ans
1. The National Anthem was sung with great enthusiasm by the children.
2. The National Anthem has been sung with great enthusiasm by the children.
3. The National Anthem is sung with great enthusiasm by the children.
4. The National Anthem was being sung with great enthusiasm by the children.

\section*{Q. 4 Select the INCORRECTLY spelt word.}

Ans
< 1. Alien
2. Awful

K
3. Already
\(\checkmark\)
4. Accross
Q. 5 Select the most appropriate ANTONYM of the given word.

Native
Ans
1. Urban
2. Foreign
< 3. Rustic4. Rural
Q. 6 Select the most appropriate meaning of the given idiom.

Look down upon
Ans
1. To look for something underground
2. To be full of guilt3. To look down from a height
4. To consider someone inferior

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Advertising is the promotion of goods and services. It provides an (1) \(\qquad\) to the manufacturing companies to sell their (2) \(\qquad\) better than their competitors. Every time we switch (3) \(\qquad\) the television we find some product or the other (4) \(\qquad\) pushed towards us. It cannot be denied that the (5) \(\qquad\) behind commercial advertising is to increase sales and earn more profit.

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank number (1).

Ans
>1. occasion
X
2. excuse3. event
4. opportunity

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Advertising is the promotion of goods and services. It provides an (1) \(\qquad\) to the manufacturing companies to sell their (2) \(\qquad\) better than their competitors. Every time we switch (3) \(\qquad\) the television we find some product or the other (4) \(\qquad\) pushed towards us. It cannot be denied that the (5) \(\qquad\) behind commercial advertising is to increase sales and earn more profit.

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank number (2).

Ans
>1. outcome
\(\checkmark\)
2. products
< 3. compounds
X4. creation

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Advertising is the promotion of goods and services. It provides an (1) \(\qquad\) to the manufacturing companies to sell their (2) \(\qquad\) better than their competitors. Every time we switch (3) \(\qquad\) the television we find some product or the other (4) \(\qquad\) pushed towards us. It cannot be denied that the (5) \(\qquad\) behind commercial advertising is to increase sales and earn more profit.

SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank number (3).

Ans
>1. at
>2 in
- 3. on

X4. off

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Advertising is the promotion of goods and services. It provides an (1) \(\qquad\) to the
manufacturing companies to sell their (2) \(\qquad\) better than their competitors. Every time we switch (3) \(\qquad\) the television we find some product or the other (4) \(\qquad\) pushed towards us. It cannot be denied that the (5) \(\qquad\) behind commercial advertising is to increase sales and earn more profit.

SubQuestion No : 10
Q. 10 Select the most appropriate option to fill in blank number (4).

Ans
< 1. to be2. be3. been
4. being

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Advertising is the promotion of goods and services. It provides an (1) \(\qquad\) to the manufacturing companies to sell their (2) \(\qquad\) better than their competitors. Every time we switch (3) \(\qquad\) the television we find some product or the other (4) \(\qquad\) push us. It cannot be denied that the (5) \(\qquad\) behind commercial advertising is to increase sales and earn more profit.

SubQuestion No: 11
Q. 11 Select the most appropriate option to fill in blank number (5).

Ans
< 1. influence2. emotion3. motive

人4. feeling
Q. 12 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

He married with a rich heiress last year.
Ans
<1. last year
Х 2. He married
\(\checkmark\)
3. with a rich heiress
<4. No error
Q. 13 Select the most appropriate synonym of the given word.

Weary
Ans
1. Restless
\(\$\)
2. Lively

3 3. Touchy
4. Exhausted
Q. 14 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. While he was doing this, he missed seeing a velvet purse full of gold coins lying on the road.
B. Ramesh always worried about how he would become sick and weak in old age.
C. To try how he would cope with blindness, Ramesh started walking with his eyes
closed.
D. He feared that he might even lose his sight and go blind.

Ans
X 1 . DBAC
\(X\)
2. BCAD
3. BDCA
<4. CABD
Q. 15 Select the INCORRECTLY spelt word.

Ans \(\times\) 1. Guidance
< 2. Guilty
X 3. Guardian
v 4. Guarranty
Q. 16 Select the most appropriate meaning of the given idiom.

Keep abreast of
Ans
1. Keep up the good work2. Keep ahead of
3. Keep oneself updated
4. Keep a watch on
Q. 17 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. When a calf is born under water, the mother must get it to the surface before it drowns.
B. The young ones remain with their parents for up to fifteen years or more.
C. Often another whale assists the mother nudging the baby gently and encouraging it
to swim.
D. Whales have highly developed maternal instincts.

Ans
<1. DBCA
< 2. CBDA

X
3. BCAD
- 4. DACB
Q. 18 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Mother was watching a movie when the lights were going off.
Ans
入1. have gone off
v 2. went off
X 3. No improvement
(4. going off
Q. 19 Select the correct indirect form of the given sentence.

The traveller said to a passerby, "Can you help me find my way, please?"
Ans
1. The traveller asked the passerby that he can kindly help him find his way.
2. The traveller requested to the passerby if he can help him find his way.

X 3. The traveller asked the passerby could you kindly help me find my way?
v 4. The traveller asked the passerby if he could kindly help him find his way
Q. 20 Fill in the blank with the most appropriate word.

The minister gave an \(\qquad\) that strict action would be taken against the culprits.
Ans
X 1. insurance2. ambition
3. assurance
(4. admission
Q. 21 Fill in the blank with the most appropriate word.

She was loved by her employees for her \(\qquad\) .
Ans
< 1. insolence
- 2. benevolence

X 3. condolence
< 4. malevolence
Q. 22 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

The famous author and actor are being honoured at a function today
Ans
1. The famous author and actor
- 2. are being honoured
3. at a function today
<4. No error
Q. 23 Select the most appropriate ANTONYM of the given word.

Repulsive
Ans
<1. Revolting
< 2. Brilliant
Х3. Hideous
- 4. Attractive
Q. 24 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Scarcely had the passengers boarded the plane when the captain welcomed them.
Ans
1. than the captain welcomes them
2. when the captain had welcomed them3. that the captain welcomed them
4. No improvement
Q. 25 Select the option that can be used as a one word substitute for the given group of words

That which cannot be satisfied
Ans
<1. Insane
2. Ingenuous

X3. Inapt
- 4. Insatiable

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|l|}
\hline Roll Number & ETayari \\
\hline Candidate Name & ETayari \\
\hline Venue Name & iON Digital Zone iDZ Baruipur \\
\hline Exam Date & 07/03/2020 \\
\hline Exam Time & 1:00 PM \(-2: 00\) PM \\
\hline Subject & CGLE Tier I \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers will be on opposite sides?


Ans
\(X 1.1\) and 5
\(\times 2.1\) and 2
- 3. 2 and 4

X4. 3 and 6
Q. 2 In a certain code language, 'SOLID' is coded as ' 64 ' and 'POUR' is coded as ' 74 '. How will 'TON' be coded as in that language?
Ans 1. 52
X2. 49
\(\times 3.85\)
\(\times 4.60\)
Q. 3 'Diabetes' is related to 'Blood Sugar' in the same way as 'Hypertension' is related to ' \(\qquad\) \(\therefore\)

Ans
\(X\) 1. Body Cells
- 2. Blood Pressure
\(X\) 3. Heart
X 4. Red Blood Cells
Q. 4 In a certain code language, 'PAINTS' is written as 'CRPKUV'. How will 'PURITY' be written as in that language?

Ans
1. WRKTAV

X 2. WRKSNU
\(X\) 3. XSISBM
X 4. vSKTAZ
Q. 5 What day of the week was 31 January 2007?

Ans
\(X 1\). Tuesday
- 2. Wednesday

X 3. Monday
X 4. Thursday
Q. 6 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{|l|l|l|}
\hline 14 & 17 & 22 \\
\hline 49 & 61 & \(?\) \\
\hline 189 & 237 & 317 \\
\hline
\end{tabular}

Ans
X 1.71
\(\times 2.79\)
- 3.81
\(\times 4.83\)
Q. 7 Which of the following Venn diagrams best represents the relationship between the following classes?

Accountants, Girls, Internet users
Ans

Q. 8 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
X 1. Litre
- 2. Distance

X 3. Kilogram
X 4. Minute
Q. 9 Select the correct mirror image of the given alphanumeric-cluster when a vertical mirror is placed on the right side of the cluster.

\section*{654 H B M A}

Ans
- AMGHDC

\(x^{3} \forall\) M G H \(\boldsymbol{x} \boldsymbol{9}\)
× \({ }^{4}\) AW日HDC
Q. 10 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest,

Ans
X 1. \(44: 136\)
X 2. \(30: 94\)
3. \(33: 109\)

X4. \(27: 85\)
Q. 11 Select the letter-cluster that can replace the question mark (?) in the following series.

PERSONA, ANPERSO, ANOSPER, ?
Ans
1. ANOSREP
\(X\) 2. ANOSERP
\(X\) 3. ANSORPE
X 4. NOSAREP
Q. 12 Select the letter will replace the question mark (?) in the following series.

C, B, B, C, Z, E, W, H, S, ? , N
Ans
X 1 K
X 2 I
- 3. L

X4. P
Q. 13 Select the option in which the given figure is embedded (rotation is not allowed).


Ans

\(\checkmark 4\)

Q. 14 Select the option in which the words share the same relationship as that shared by the given pair of words.

Office : Work
Ans
1. School : Study

X 2. Hospital: Director
X 3. House : Bricks
\(X\) 4. Court : Lawyer
Q. 15 Select the number that can replace the question mark (?) in the following series.

35, 36, 40, ? , 83, 208, 244
Ans
X1. 55
\(\times 2.60\)
- 3. 67
\(\times 4.73\)
Q. 16 Arrange the following words in the order in which they would appear in an English dictionary.
1. Temper
2. Temple
3. Tamarind
4. Tender
5. Tenacity

Ans
X1.1,3,2,5,4
- 2. \(3,1,2,5,4\)

X 3. 3, 1, 5, 4, 2
X4.3,2,1,4,5
Q. 17 How many triangles are there in the given figure?


Ans
X1. 20
\(\times 2.17\)
- 3. 19

X4. 21
Q. 18 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 19 Select the option that is related to the third number in the same way as the second number is related to the first number:
\(11: 265:: 20: ?\)
Ans \(\quad \times 1.840\)
\(\times 2.838\)
\(\times 3.835\)
4. 841
Q. 20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)
from the statements.

\section*{Statements:}
1. All toys are pens.
2. All games are pens.

\section*{Conclusions:}
I. No toy is a game.
II. No pen is a game.
III. Some toys are games.

Ans
X 1. All conclusions I, II and III follow.
\(X\) 2. Only conclusions II and III follow.
\(X\) 3. Only conclusions I and II follow.
- 4. Either conclusion I or III follows.
Q. 21 Select the option in which the numbers are related in the same way as are the numbers in the given set.
\((45,24,441)\)
Ans
X \(1 .(41,18,630)\)
X 2. \((30,60,1024)\)
X 3. \((50,30,480)\)
- 4. \((35,17,324)\)
Q. 22 If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition', and 'D' stands for 'division', then what is the value of the following expression?

27 A 8 B 5 C (11 C 3) B 5 C 36 D 6
Ans
X 1.60
\(\times 2.20\)
\(\times 3.24\)
4. 63
Q. 23 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
\(X\) 1. EHKN
X 2. TWZC
X 3. PSVY
- 4. NOSV
Q. 24 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 25 A-B means ' A is the mother of B ';
\(\mathrm{A} \times \mathrm{B}\) means ' A is the sister of B ';
\(A \div B\) means ' \(A\) is the daughter of \(B\) '.
Which of the following expressions means ' U is the daughter of Q '?
Ans
\(X 1, Q-Z \div U \times K\)
X2. \(\mathrm{K}-\mathrm{Z} \div \mathrm{U} \times \mathrm{Q}\)
-3. \(\mathrm{Q}-\mathrm{Z} \times \mathrm{U} \div \mathrm{K}\)
X4. \(\mathrm{K}-\mathrm{U} \div \mathrm{Z} \times \mathrm{Q}\)

\section*{Section : General Awareness}
Q. 1 Who won the 'ICC (International Cricket Council) Spirit of Cricket, 2019’ award?

Ans
Х 1. Rohit Sharma
2. Pat Cummins
3. Virat Kohli

X 4. Ben Stokes
Q. 2 Which of the following can be diagnosed with the Widal test?

Ans
X 1 . Cancer
X 2. AIDS
- 3. Typhoid fever
(4. Tuberculosis

\section*{Q. 3 Where were the Khelo India Youth Games, 2020 held?}

Ans
- 1. Guwahati
2. New Delhi
(3.Bhopal

X 4. Chandigarh
Q. 4 Who is the author of the book titled 'The Anarchy: The East India Company, Corporate Violence, and the Pillage of an Empire'?

Ans
1. Pankaj Mishra
(2. Shashi Tharoor
- 3. William Dalrymple
(4. VP Menon
Q. 5 A situation where the expenditure of the government exceeds its revenue is known as \(\qquad\) —.

Ans 1. Morbidity
< 2. Devaluation
< 3. Default
4. Deficit Financing

\section*{Q. 6 Which of the following is caused by a virus named 'Varicella zoster'?}

Ans
- 1. Rabies
- 2. Chickenpox
< 3. Polio
<4. Cholera
Q. 7 Who wrote the play 'Mricchakatika' (The Little Clay Cart), a social drama with touches of grim reality?
Ans
- 1. Sudraka

X 2. Kalidasa
* 3. Magh

X 4. Raidasa
Q. 8 Which organisation launched the Agricultural Marketing and Farmer Friendly Reforms Index
(AMFFRI) in 2016?
Ans
\$ 1. Reserve Bank of India
- 2. NITI Aayog

Х 3. National Institute of Public Finance and Policy (NIPFP)
4 4. Indian Institute of Public Administration
Q. 9 Which of the following is one of the Articles of the Constitution of India that mentions the Comptroller and Auditor General of India?

Ans
\$1.352
<2.280
X 3.156
4. 148
Q. 10 On which lake is the world's only floating post office situated?

Ans
入 1. Chilika Lake
X 2. Wular Lake
- 3. Dal Lake

入 4. Loktak Lake
Q. 11 In which year did the battle of Khanua (Khanwa) take place between Babur and the Rajput forces led by Rana Sanga?

Ans
* 1.1527
<2. 2.1526
> 3.1522
< 4.1529
Q. 12 What is Gotabaya Rajapaksa's nationality?

Ans
< 1. Indonesian
X 2. Burmese
< 3. Bangladeshi
4. Sri Lankan
Q. 13 The tidal mouth of a river where fresh and saline water get mixed is known as a/an \(\qquad\) -.
Ans
ش 1. Archipelago
- 2. Estuary
*3. Gorge
\$4. Fold
Q. 14 Which of the following schedules of the Constitution of India has been INCORRECTLY matched with its content?

Ans
1. First Schedule - The states and the union territories
v 2. Second Schedule - Languages
X 3. Fourth Schedule - Allocation of seats in the council of states
\$ 4. Third Schedule - Forms of oath or affirmations
Q. 15 Who among the following was NOT a recipient of the Arjuna Awards in 2019?

Ans
< 1. Poonam Yadav
(2. Ravindra Jadeja
- 3. Mezban Patel
\$4. Swapana Burman
Q. 16 Who among the following was NOT associated with the revolt of 1857 ?

Ans
(1. Mangal Pandey
(2. Kunwar Singh
- 3. Bhagat Singh
(4. Begum Hazrat Mahal
Q. 17 What is the name of the anti-hijacking exercise conducted by the Indian Navy in collaboration with the Indian Coast Guard?
Ans
< 1. Nagah
\(\checkmark 2\)
2. Apharan
<3. Indra
(4. Ekuverin
Q. 18 In which year did the Third Round Table Conference take place?

Ans
> 1.1928
<2. 1930
- 3.1932
< 4.1929
Q. 19 Which one of the following statements is INCORRECT?

Ans 1. The measurable unit of pressure is denoted in Metre
(2. Matter is made up of small particles.
- 3. Evaporation causes cooling.

Х4. Brass is a mixture of \(30 \%\) zinc and \(70 \%\) copper.

\section*{Q. 20 Where was the 107th edition of the Indian Science Congress held?}

Ans
<1. Chennai
< 2. Dehradun
( 3. Lucknow
4. Bengaluru
Q. 21 Which of the following is used for removing permanent hardness of water?

Ans
(1. Baking soda
< 2. Lime
X 3. Bleaching powder
4. Washing soda
Q. 22 In which part of India are the Patkai Bum hills located?

Ans
X 1. Northern part of India
2. Western part of India
3. Southern part of India
4. Eastern part of India
Q. 23 Which of the following martial art forms is practiced in the state of Punjab and West Bengal?
Ans
1. Kalaripayattu

Х 2. Mardaani khel
- 3. Lathi
(4. Thang-ta
Q. 24 Who among the following was known as 'Andhra Kesari'?

Ans
入 1. Khan Abdul Ghaffar Khan
X 2. Mahatma Gandhi
< 3. Chittaranjan Das
4. T. Prakasam
Q. 25 Who discovered cells in the human body?

Ans
(1. Charles Darwin
\(\checkmark\)
2. Robert Hooke

X 3. Herbert Spencer
\$4. Albert Einstein

\section*{Section : Quantitative Aptitude}
Q. 1 If radius of a circle is decreased by \(11 \%\), then the total decrease in the area of the circle is given as:

Ans
- 1. \(20.79 \%\)

X \(2.19 .50 \%\)
X 3. 20.50\%
X4.21\%
Q. 2 If 7 divided a positive integer n , the remainder is 2 . Which of the following numbers gives a remainder of 0 when divided by 7 ?
Ans
X \(1 . n+2\)
- 2. \(\mathrm{n}+5\)

X 3. \(\mathrm{n}-5\)
X4. \(\mathrm{n}+1\)
Q. 3 Expand \(\left(\frac{x}{3}+\frac{y}{5}\right)^{3}\).

Ans
․ \(\frac{x^{3}}{27}+\frac{x^{2} y}{25}+\frac{x y^{2}}{25}+\frac{y^{3}}{125}\)
2. \(\frac{x^{3}}{27}+\frac{x^{2} y}{15}+\frac{x y^{2}}{25}+\frac{y^{3}}{125}\)
․ . \(\frac{x^{3}}{25}+\frac{x^{2} y}{15}+\frac{x y^{2}}{25}+\frac{y^{3}}{125}\)
×4. \(\frac{x^{3}}{27}+\frac{x y}{15}+\frac{x y^{2}}{25}+\frac{y^{3}}{125}\)
Q. 4 A contract is to be completed in 75 days and 187 men are to work 15 hours per day. After 65 days, \(\frac{3}{5}\) of the work is completed. How many additional men may be employed, so that the work may be completed in time, each man now working 17 hours per day?

Ans
X 1.514
\(\times 2.532\)
- 3.528
\(\times 4.495\)
Q. 5 If \(a^{2}+b^{2}+c^{2}=300\) and \(a b+b c+c a=50\), then what is the value of \(a+b+c\) ? (Given that \(\mathrm{a}, \mathrm{b}\) and c are all positive.)
Ans
X1. 25
X2. 22
- 3. 20
\(\times 4.15\)
Q. 6 The perimeter of an isosceles triangle is 50 cm . If the base is 18 cm , then find the length of the equal sides.

Ans
X 1.25 cm
\(\times 2.32 \mathrm{~cm}\)
X 3.18 cm
- 4.16 cm
Q. 7 If 18 men can cut a field in 35 days, then in how many days can 21 men cut the same field?

Ans
\(\times 1.32\)
- 2. 30
\(\times 3.27\)
\(\times 4.28\)
Q. 8 A sum lent out at compound interest amounts to \(₹ 1,250\) in one year and to \(₹ 1,458\) in 3 years at a certain rate percentage
p.a. What is the simple interest on the same sum for \(5 \frac{2}{5}\) years at the same rate of interest?

Ans \(\quad\) 1. \({ }^{1} 520\)
X 2. ₹ 600
- 3. ₹500

X4. ₹ 480
Q. 9 The two trains leave Varanasi for Lucknow at 11:00 a.m. and at 11:30 a.m., respectively and travel at a speed of 110 \(\mathrm{km} / \mathrm{h}\) and \(140 \mathrm{~km} / \mathrm{h}\), respectively. How many kilometers from Varanasi will both trains meet?

Ans
X 1. \(246 \frac{1}{3} \mathrm{~km}\)
X 2. \(238 \frac{2}{3} \mathrm{~km}\)
X 3. \(255 \frac{1}{3} \mathrm{~km}\)
- 4. \(256 \frac{2}{3} \mathrm{~km}\)
Q. 10 The value of \(1 \frac{1}{8} \div\left(4 \frac{1}{4} \div \frac{3}{5}\right.\) of \(\left.8 \frac{1}{2}\right)-\frac{2}{5} \times 1 \frac{1}{3} \div \frac{4}{5}\) of \(1 \frac{2}{3}+\frac{11}{20}\) is:

Ans
-1. \(1 \frac{1}{2}\)
X2. \(1 \frac{1}{4}\)
\(\times 3.3 \frac{1}{8}\)
\(\times 4.3 \frac{1}{2}\)
Q. 11 The following table shows the age-wise brand ownership of mobile phone handsets.
\begin{tabular}{|l|l|l|l|l|}
\hline Brands & 1 year old & \begin{tabular}{l}
1 to 2 years \\
old
\end{tabular} & \begin{tabular}{l}
2 to 5 years \\
old
\end{tabular} & \begin{tabular}{l} 
More than 5 \\
years old
\end{tabular} \\
\hline A & \(15 \%\) & \(45 \%\) & \(40 \%\) & \\
\hline B & \(5 \%\) & \(15 \%\) & \(25 \%\) & \(55 \%\) \\
\hline C & \(10 \%\) & \(10 \%\) & \(10 \%\) & \(70 \%\) \\
\hline D & \(25 \%\) & \(55 \%\) & \(20 \%\) & \\
\hline E & \(15 \%\) & \(50 \%\) & \(20 \%\) & \(15 \%\) \\
\hline
\end{tabular}

If a total of 5000 ' C ' mobile phone sets are sold till date, then how many are more than one year old?
Ans
X 1. 4000
\(\times 2.4200\)
- 3. 4500
\(\times 4.4350\)
Q. 12 In quadrilateral \(P Q R S, R M \perp Q S, P N \perp Q S\) and \(Q S=6 \mathrm{~cm}\). If \(R M=3 \mathrm{~cm}\) and \(P N=2 \mathrm{~cm}\), then the area of \(P Q R S\) is

Ans
- \(1.15 \mathrm{~cm}^{2}\)
\(\times 2.13 \mathrm{~cm}^{2}\)
\(\times 3.14 \mathrm{~cm}^{2}\)
\(\times 4.11 \mathrm{~cm}^{2}\)
Q. 13 The cost price of goods, for a shopkeeper, was X. He marked them at \(15 \%\) above the cost price. Finally, he sold the goods at a discount of \(25 \%\). 'What is his profit/loss percentage?'

Ans
X 1. 13.5\% Profit
X 2. 13\% Loss
X 3. \(12 \%\) Profit
4. \(13.75 \%\) Loss
Q. 14 If \(\frac{\sin A+\cos A}{\cos A}=\frac{17}{12}\), then the value of \(\frac{1-\cos A}{\sin A}\) is:

Ans
-1. \(\frac{1}{5}\)
-2. \(\frac{5}{12}\)
X 3. -5
\(\times 4.1\)
Q. 15 The following table shows the annual profit of a company (in ₹ lakh).
\begin{tabular}{|l|l|l|l|l|}
\hline \(2014-2015\) & \(2015-2016\) & \(2016-2017\) & \(2017-2018\) & \(2018-2019\) \\
\hline 625 & 690 & 725 & 775 & 815 \\
\hline
\end{tabular}

The period which has the maximum percentage increase in profit over the previous year is:
Ans
- 1. 2015-2016

X 2. 2018-2019
X 3. 2016-2017
X4. 2017-2018
Q. 16 The following table shows the number of employees working in various departments of an organisation from 2016 to 2019.
\begin{tabular}{|l|l|l|l|l|}
\hline Years & Production & Marketing & Corporate & Research \\
\hline 2016 & 500 & 130 & 50 & 145 \\
\hline 2017 & 940 & 146 & 60 & 140 \\
\hline 2018 & 1000 & 160 & 70 & 146 \\
\hline 2019 & 1010 & 150 & 75 & 150 \\
\hline
\end{tabular}

In which year were the maximum number of employees working in the organization?
Ans
X1. 2016
X2. 2017
- 3. 2019

X4. 2018
Q. 17 In \(\triangle A B C, D, E\) and \(F\) are the midpoints of sides \(\mathrm{AB}, \mathrm{BC}\) and CA , respectively. If \(\mathrm{AB}=12 \mathrm{~cm}, \mathrm{BC}=20 \mathrm{~cm}\) and \(\mathrm{CA}=15\)
cm , then the value of \(\frac{1}{2}(D E+E F+D F)\) is:
Ans
X 1.23 .5 cm
- 2. 11.75 cm
\(X 3.5 .88 \mathrm{~cm}\)
X 4.15 .67 cm
Q. 18 If \(3 \sec ^{2} \theta+\tan \theta=7,0^{\circ}<\theta<90^{\circ}\), then the value of \(\frac{\operatorname{cosec} 2 \theta+\cos \theta}{\sin 2 \theta+\cot \theta}\) is:

Ans
ง \(1 \frac{2+\sqrt{3}}{2}\)
X2. \(\frac{2+3 \sqrt{2}}{4}\)
×3. \(\frac{2+\sqrt{2}}{4}\)4. \(\frac{3+\sqrt{2}}{2}\)
Q. 19 Anu spends \(68 \%\) of her monthly income. If her monthly income increases by \(20 \%\) and her monthly savings increase by
\(9 \frac{3}{8} \%\), then the percentage increase in her monthly expenditure is:
Ans
X 1. \(20 \%\)
X 2. \(32 \%\)
- 3. \(25 \%\)

X4. \(22 \%\)
Q. 20 If the perimeter of a certain rectangle is 50 units and its area is 150 sq. units, then how many units is the length of its shorter side?
Ans
X 1.15
\(\times 12\)
\(\times \quad 15\)
- 3.10
\(\times 4.9\)
Q. 21 A man buys two watches ' \(A\) ' and ' \(B\) ' at a total cost of ₹ 800 . He sells both watches at the same selling price, and earns a profit of \(18 \%\) on watch ' A ' and incurs a loss of \(22 \%\) on watch ' B '. What are the cost prices of the two watches? (two place after decimal).

Ans
\(X\) 1. \(A=₹ 350.32\) and \(B=₹ 450.68\)
v 2. \(\mathrm{A}=₹ 318.37\) and \(\mathrm{B}=₹ 481.63\)
X 3. \(\mathrm{A}=₹ 220\) and \(\mathrm{B}=₹ 580\)
X4. \(\mathrm{A}=₹ 317\) and \(\mathrm{B}=₹ 483\)
Q. 22 The following table shows the percentage of marks obtained by seven students in six different subjects in an examination.
\begin{tabular}{|l|l|l|l|l|l|l|}
\hline Student & Maths & Chemistry & Physics & Geography & History & \begin{tabular}{l} 
Computer \\
Science
\end{tabular} \\
\hline \begin{tabular}{l} 
Maximum \\
marks \(=150\)
\end{tabular} & \begin{tabular}{l} 
Maximum \\
marks \(=130\)
\end{tabular} & \begin{tabular}{l} 
Maximum \\
marks \(=120\)
\end{tabular} & \begin{tabular}{l} 
Maximum \\
marks \(=100\)
\end{tabular} & \begin{tabular}{l} 
Maximum \\
marks \(=110\)
\end{tabular} & \begin{tabular}{l} 
Maximum \\
marks \(=90\)
\end{tabular} \\
\hline Ankit & 100 & 80 & 80 & 40 & 70 & 70 \\
\hline Aman & 90 & 50 & 90 & 60 & 90 & 80 \\
\hline Ayush & 80 & 65 & 70 & 70 & 80 & 70 \\
\hline Rohit & 90 & 60 & 80 & 95 & 60 & 60 \\
\hline Tanvi & 80 & 65 & 65 & 80 & 40 & 60 \\
\hline Tarun & 70 & 75 & 85 & 77 & 50 & 90 \\
\hline Muskan & 65 & 35 & 50 & 85 & 80 & 80 \\
\hline
\end{tabular}

What are the average marks obtained by all the seven students in Physics? (rounded off to two digits after the decimal)
Ans
-1. 89.14
X2. 80.15
\(\times 3.75 .90\)
\(\times 4.85 .12\)
Q. 23 If in 13 years a fixed sum doubles at simple interest, what will be the interest rate per year? (Correct to two decimal places)

Ans
- 1. \(7.69 \%\)
\(\times 2.7 .92 \%\)
X 3. 8.69\%
\(\times 4.7 .29 \%\)
Q.24 \(A B\) is a diameter of a circle with centre \(O\). The tangent at a point \(C\) on the circle meets \(A B\) produced at \(Q\).

If \(\angle C A B=42^{\circ}\), then what is the measure of \(\angle C Q A\) ?
Ans
X \(1.17^{\circ}\)
- 2. \(6^{\circ}\)
\(\times 3.5^{\circ}\)
\(\times 4.7^{\circ}\)
Q. 25 If \(x+y+z=10\) and \(x y+y z+z x=15\), then find the value of \(x^{3}+y^{3}+z^{3}-3 x y z\).

Ans
X 1.525
\(\times 2.575\)
- 3. 550
\(\times 4.660\)

\section*{Section : English Comprehension}
Q. 1 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. It hurts the heart most of all by inflating blood pressure.
B. You can blow up and let it out or bottle it up and ignore it.
C. The question then arises- What to do about it?
D. Researchers have long agreed that anger hurts your health.

Ans
1. BCAD
Х 2. CADB
\(\checkmark\)
3. DACB
>4. DBCA
Q. 2 Select the most appropriate ANTONYM of the given word.

Assist
Ans
>1. Conceal
X 2 . Decline
> 3 Support
- 4 . Obstruct
Q. 3 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. I took a deep breath and inhaled the air.
B. It was a fine spring morning.
C. As soon as I entered the garden, lush green grass welcomed me.
D. The freshness in the air drew my feet towards a garden.

Ans
<1. ACBD
< 2. CADB
< 3. CDAB
- 4. BADC

\section*{Q. 4 Select the most appropriate meaning of the given idiom.}

Come to the point
Ans
1. To meet at a designated place

X 2. To unravel a mystery
3. To get reconciled to something
v 4. To speak plainly about the real issue
Q. 5 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The old lady nearly dead from fright.
Ans
< 1. dead out of fright
2. No improvement
- 3. died of fright
(4. died with frightening

\section*{Q. 6 Select the correct indirect form of the given sentence.}

The guard said to the visitors, "Do not take photographs inside the museum."
Ans
- 1. The guard forbade the visitors to take photographs inside the museum.

Х 2. The guard warned the visitors not to be taking photographs inside the museum.
Х 3. The guard told the visitors that do not take photographs inside the museum.
4. The guard requested the visitors to not took photographs inside the museum.

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) \(\qquad\) rather than follow another's counsel. The choice (2) \(\qquad\) one's subject of study is one such sphere. (3) \(\qquad\) one is genuinely interested in a subject, one (4) \(\qquad\) never opt for it. India is already full of (5) \(\qquad\) pegs in round holes, who are unfit for their roles and are doing more harm than good.

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank number (1).

Ans
2. option
3. possibility
4. alternative

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) \(\qquad\) rather than follow another's counsel. The choice (2) \(\qquad\) one's subject of study is one such sphere.
(3) \(\qquad\) one is genuinely interested in a subject, one (4) \(\qquad\) never opt for it. India is already full of (5) \(\qquad\) pegs in round holes, who are unfit for their roles and are doing more harm than good.

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank number (2).

Ans
> 1. at
2. between
- 3. of
>4.among

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) \(\qquad\) rather than follow another's counsel. The choice (2) \(\qquad\) one's subject of study is one such sphere. (3) \(\qquad\) one is genuinely interested in a subject, one (4) \(\qquad\) never opt for it. India is already full of (5) \(\qquad\) pegs in round holes, who are unfit for their roles and are doing more harm than good.

SubQuestion No : 9
Q. 9 Select the most appropriate option to fill in blank number (3).

Ans
1. Even if
2. Unless
3. Although
>4. Since

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) \(\qquad\) rather than follow another's counsel. The choice (2) \(\qquad\) one's subject of study is one such sphere. (3) \(\qquad\) one is genuinely interested in a subject, one (4) \(\qquad\) never opt for it. India is already full of (5) \(\qquad\) pegs in round holes, who are unfit for their roles and are doing more harm than good.

SubQuestion No : 10
Q. 10 Select the most appropriate option to fill in blank number (4).

Ans
- 1. should
2. could
3. ought
4. would

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) \(\qquad\) rather than follow another's counsel. The choice (2) \(\qquad\) one's subject of study is one such sphere. (3) \(\qquad\) one is genuinely interested in a subject, one (4) \(\qquad\) never opt for it. India is already full of (5) \(\qquad\) pegs in round holes, who are unfit for their roles and are doing more harm than good.

SubQuestion No : 11
Q. 11 Select the most appropriate option to fill in blank number (5).

Ans
X 1. large
2. square

X 3.small
X4. circular
Q. 12 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

He was greatly disappointed to be failed again.
Ans
- 1 . on failing
2. to failed

Х 3. No improvement
4. by being failed
Q. 13 Select the most appropriate synonym of the given word.

Accurate
Ans
X 1. Capable
X 2. Compact
3. Precise

X 4. Erroneous
Q. 14 Fill in the blank with the most appropriate word.

There is a \(\qquad\) growth of flowers in tropical countries.

Ans
X 1. powerful
X 2. plenty3. Iuxuriant

X4. pious
Q. 15 Select the most appropriate synonym of the given word.

Affluent
Ans
< 1. Hostile
< 2. Authentic
X 3. Impoverished
- 4. Prosperous
Q. 16 Select the correct passive form of the given sentence.

He incurred heavy losses in business.
Ans
1. Heavy losses are incurred in business by him.
2. Heavy losses was incurred in business by him.
- 3. Heavy losses were incurred in business by him.

X 4. Heavy losses are being incurred in business by him.
Q. 17 In the sentence identify the segment which contains the grammatical error.

He went to work but returned back immediately.
Ans
X 1. He went
< 2. to work3. but returned back
< 4. immediately
Q. 18 Select the word which means the same as the group of words given.

A place where plants are grown for sale
Ans
- 1. Nursery
< 2. Garden
X 3. Aviary
(4. Yard
Q. 19 Fill in the blank with the most appropriate word.

There are \(\qquad\) errors in your assignment.
Ans
- 1. numerous

X 2. multifold
X 3. sufficient
(4. abundant

\section*{Q. 20 Select the INCORRECTLY spelt word.}

Ans
- 1. Persuit
(2. Parallel

X 3. Actually
Х4. Opinion
Q. 21 Select the most appropriate ANTONYM of the given word.

Industrious
Ans
- 1. Lethargic
- 2. Durable
3. Diligent
(4. Cautious

\section*{Q. 22 Select the INCORRECTLY spelt word.}

Ans
(1. Annihilate
< 2. Affiliate
\(\checkmark 3\)
3. Exclaimation
<4. Aesthetic
Q. 23 In the sentence identify the segment which contains the grammatical error.

The present what I buy for you yesterday was very expensive.
Ans
1. was very expensive
2. The present

X 3. for you yesterday
4. what I buy
Q. 24 Select the word which means the same as the group of words given.

Putting to death painlessly to end suffering
Ans
- 1. Euthanasia
2. Genocide

X 3. Blaspheme
(4. Altruism
Q. 25 Select the most appropriate meaning of the given idiom.

Give a piece of one's mind
Ans
1. To rebuke someone strongly
2. To donate something valuable
3. To share one's ideas
4. To advise someone

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|l|}
\hline Roll Number & ETayari \\
\hline Candidate Name & ETayari \\
\hline Venue Name & On Target Solutions \\
\hline Exam Date & 07/03/2020 \\
\hline Exam Time & 4:00 PM \(-5: 00\) PM \\
\hline Subject & CGLE Tier I \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 Select the option in which the words share the same relationship as that shared by the given pair of words.

Horses: Neigh
Ans
X 1. Elephants: Whine
- 2. Camels : Grunt

X 3. Donkeys: Chortle
X 4. Bears: Roar
Q. 2 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' \(\%\) '.


Ans
\(\times 1=\)
X2.*
X3.@
- 4 +
Q. 3 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.


Ans

Q. 4 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
X 1. Radish
2. Spinach

X 3. Carrot
X 4. Potato
Q. 5 Select the option in which the given figure is NOT embedded (rotation is not allowed).


Ans

Q. 6 Which two signs should be interchanged to make the given equation correct?
\(121 \div 11+54-9 \times 3=128\)
Ans
\(\times 1 . \times\) and \(\div\)
2. \(\div\) and -

X \(3 .+\) and \(\times\)
X4. + and -
Q. 7 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X 1. NOQTX
X 2. ABDGK
X 3. BCEHL
- 4. GHJMP
Q. 8 Select the letter that can replace the question mark (?) in the following series.

A, D, ? , P, Y
Ans
X 1 J
- \(2 . \mathrm{I}\)

X 3. G
X4. H
Q. \(9 \mathrm{~A}+\mathrm{B}\) means ' B is the daughter of B ';
\(A-B\) means ' \(B\) is the sister of \(A\) ';
\(A \times B\) means ' \(B\) is the husband of \(A\) ';
\(A \div B\) means ' \(A\) is the father of \(B\) '.
If, \(\mathrm{P} \div \mathrm{R} \times \mathrm{T}+\mathrm{Q}-\mathrm{S} \times \mathrm{U}+\mathrm{Z}\), then how is R related to Z ?
Ans
- 1. Maternal grandmother

X 2. Maternal grandfather
X 3. Paternal grandfather
X 4. Paternal grandmother
Q. 10 Select the number that can replace the question mark (?) in the following series.
\(1,5,9, ?, 21\)
Ans
X 1.19
\(\times 2.20\)
- 3.15

X4.11
Q. 11 In the given Venn diagram, the 'rectangle' represents 'ladies of a club', the 'triangle' represents 'like to dance', the 'circle' represents 'like to sing' and the 'pentagon' represents 'like to mimic'. The numbers given in the diagram represent the number of persons in that particular category.


How many ladies of the club NEITHER like to dance NOR like to mimic?
Ans
X1. 26
\(\times 2.72\)
- 3. 64
\(\times 4.23\)
Q. 12 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
ป1. 28-164
X2. 19-114
X 3. 17-102
X4.12-72
Q. 13 Select the option that is related to the third number in the same way as the second number is related to the first number.
\(3: 20:: 7:\) ?
Ans
X 1.105
- 2. 100
\(\times 3.98\)
X4. 96
Q. 14 Arrange the following words in a logical and meaningful order.
1. Acre
2. Square Yard
3. Square Inch
4. Hectare
5. Square Feet

Ans
X 1. 3-5-1-4-2
2. 3-5-2-1-4

X 3. 3-5-1-2-4
X 4. 3-5-2-4-1
Q. 15 In a certain code language, 'LAMP' is coded as ' 2422632 '. How will 'FORK' be coded as in that language?

Ans \(\times 1.12303422\)
- 2. 12303622
\(\times 3.12302624\)
\(\times 4.12303424\)
Q. 16 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 17 Study the given pattern carefully and select the number that can replace the question mark (?) in it.


Ans
\(X 1.18\)
\(X\)
\(\times 2.38\)
X 3.29
- 4.54
Q. 18 'Bangladesh' is related to 'Dhaka' in the same way as 'Pakistan' is related to \(\qquad\) \(\therefore\)
Ans
X 1. Karachi
\(X\) 2. Multan
\(X{ }^{3 .}\) Lahore
4. Islamabad
Q. 19 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{|l|l|l|}
\hline 7 & 3 & 11 \\
\hline 4 & 9 & 23 \\
\hline 11 & 7 & \(?\) \\
\hline
\end{tabular}

Ans
X1. 71
- 2. 59

Х 3.63
X4. 77
Q. 20 How many triangles are there in the given figure?


Ans
-1. 29
\(\times 2.21\)
\(\times 3.19\)
X4.31
Q. 21 Select the letter-cluster that can replace the question mark (?) in the following series.

ABDE, FGIJ, ?, PQST, UVXY
Ans
X 1. KLNP
ง 2. KLNO
入3. KLMN
X 4. KLMO
Q. 22 Hemant buys a dozen eggs for \(₹ 5.50\) per egg. While carrying them, two eggs get wasted when they fall down and get damaged. He sells the balance eggs at \(₹ 7.70\) per egg. Find the net profit earned by him in the overall deal.

Ans
- 1. ₹ 11.00

X 2. ₹ 15.40
X 3. ₹ 15.00
X4. ₹ 10.70
Q. 23 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even
if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
1. All laptops are computers.
2. Some tablets are laptops.

Conclusions:
I. All tablets are computers.
II. Some tablets are computers.
III. Some computers are laptops

Ans
\(X\) 1. Only conclusion III follows.
X 2. All conclusions I, II and III follow.
- 3. Only conclusions II and III follow.

X 4. Only conclusion II follows.
Q. 24 In a certain code language, 'FIGURE' is written as 'DJEVPE'. How will 'DECODE' be written as in that language?

Ans
X 1. BDANBD
- 2. BFAPBF

X 3. BDDNBD
X 4. BFDNBF
Q. 25 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans


Section : General Awareness
Q. 1 Who among the following scholars is associated with the Tibet-home theory of the Aryans?

Ans
- 1. Dayanand Saraswati
(2. Max Muller
(3. Bal Gangadhar Tilak
(4. MacDonell
Q. 2 As of January 2020, who among the following is the Lt. Governor of Jammu and Kashmir?

Ans \(\quad\) 1. Jagdish Mukhi
X 2. Satyapal Malik
- 3. Girish Chandra Murmu
(4. Lalji Tandon
Q. 3 In the context of UN Sustainable Development Goals, which of the following pairs is INCORRECT?
Ans
1. Quality Education - SDG 3
< 2. Zero Hunger - SDG 2
< 3. No Poverty - SDG 1
\$4. Decent Work and Economic Growth - SDG 8
Q. 4 In which state The Jaugada Rock Edict of Asoka is located?

Ans


X 2. Uttarakhand3. Andhra Pradesh

X4. Gujarat
Q. 5 According to the Jain Philosophy, the term 'Jina' means \(\qquad\) _.
Ans
X 1 . lord
- 2. the conqueror

X 3. worthy
4. free from fetters
Q. 6 Who appoints the Advocate General of states?

Ans
X 1. President of India
2. Chief Justice of the high court
- 3. Governor of the state
4. Chief Minister of the state

\section*{Q. 7 Name the densest stable element known on earth.}

Ans
X 1 . Rhodium2. Osmium

X 3. Aluminium
< 4 . Tungsten

\section*{Q. 8 The Swaraj Party was founded by:}

Ans 1. Aruna Asaf Ali and Subhash Chandra Bose
- 2. Motilal Nehru and Chittaranjan Das

X 3. Sukhdev and Rajguru
X 4. Bhimrao Ambedkar and Sardar Vallabhbhai Patel
Q. 9 Which of the following states does NOT share its boundary with Madhya Pradesh?

Ans
- 1. Odisha
(2. Gujarat
3. Rajasthan

Х 4. Uttar Pradesh
Q. 10 What is the velocity of sound in air?

Ans
X \(1.220 \mathrm{~m} / \mathrm{sec}\)
- \(2.343 \mathrm{~m} / \mathrm{sec}\)

X \(3.232 \mathrm{~m} / \mathrm{sec}\)
Х \(4.110 \mathrm{~m} / \mathrm{sec}\)
Q. 11 Which team won the Federation Cup Football Tournament for the most number of times?

Ans
1. East Bengal FC
\(\checkmark\)
2. Mohun Bagan AC
(3. Salgaocar SC
<4. Bengaluru FC
Q. 12 The Mission of the Ramsar Convention is to conserve \(\qquad\) _.

Ans
X 1. deserts
- 2. wetlands
< 3 rivers
<4. oceans
Q. 13 Which of the following is the outermost solid part of the Earth?

Ans
X 1. Mantle2. Crust
>
3. Caldera
<4. Core
Q. 14 How many carbon and hydrogen atoms are there in Propane, respectively?

Ans
X 1.2,6
2. 2,4
3. 4,7
4. 3,8
Q. 15 Which of the following animals does NOT find a place in the National Emblem of India?

Ans
<1. Bull
\(\checkmark\)
2. Camel
< 3. Horse
(4. Lion
Q. 16 What is the bond angle (in degrees) in the structure of a benzene molecule?

Ans
- 1.120
<2. 90
X 3.150
< 4.60
Q. 17 What does 'A' stand for in 'UDAN', the initiative of the Civil Aviation Ministry?

Ans
X 1. Aastha
- 2. Aam
<3. Air
<4. Aviation
Q. 18 Which company recently became the 1st Indian company to hit the ₹10 Lakh Crore market valuations?

Ans
> 1 . Jio
<2. BSNL
<3. Airtel
- 4. Reliance
Q. 19 In 2018, who among the following came to the limelight by building a people's road through crowd funding that helped in connecting remote villages of Manipur?
Ans
1. Irom Sharmila
2. Mary Kom

3 3 . Dingo Singh
- 4. Armstrong Pame
Q. 20 As of January 2020, the Make in India program was implemented by the \(\qquad\) _.
Ans 1. Ministry of Commerce and Industry
2. Ministry of Science and Technology
3. Ministry of Shipping
4. Ministry of Heavy Industries and Public Enterprises
Q. 21 'Torr' is a unit of \(\qquad\) _.
Ans

Х 2 . force
X3.power
4. energy
Q. 22 With reference to dances and their native states, which of the following pairs is correct?

Ans
X 1. Gomira - Uttar Pradesh
X 2. Sattariya - Manipur
3. Yakshagana - Karnataka
(4. Kalaripayattu - Karnataka
Q. 23 Which among the following heritage buildings does NOT figure among those which were dedicated to the nation by the PM Narendra Modi in during his two-day visit to West Bengal in January 2020?

Ans
(1. Metcalfe House
(2. Victoria Memorial Hall
- 3. Belur Math Temple
4. Old Currency Building

\section*{Q. 24 On which date is National Sports Day observed in India?}

Ans
- 1. 29th August

X 2. 4th May
3.17th September
(4.5th July
Q. 25 The 'Great Indian Novel' is authored by:

Ans
1. Chitra Banerjee

Х 2. Arvind Adiga
3. Shashi Tharoor
(4. Vikram Seth
Q. 1 The following table shows the percentage distribution of the population of five states, A, B, C, D and E on the basis of the poverty line and also on the basis of sex.
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{ State } & \multirow{2}{l}{\begin{tabular}{l} 
Percentage of \\
population below the \\
\\
\\
poverty line
\end{tabular}} & \multicolumn{3}{|l|}{ Proportion of Males and Females } \\
\cline { 3 - 4 } & Below poverty line & Above poverty line \\
\hline A & 15 & Males: Females & Males: Females \\
\hline B & 25 & \(5: 3\) & \(4: 3\) \\
\hline C & 19 & \(3: 2\) & \(2: 3\) \\
\hline D & 35 & \(1: 2\) & \(4: 5\) \\
\hline E & 24 & \(3: 5\) & \(2: 3\) \\
\hline
\end{tabular}

If the male population above the poverty line for State B is 2.5 million, then what is the total population of State B?
Ans
\(\times 1.8 \frac{2}{3}\) millon
, 2. \(8 \frac{1}{2}\) millon
X 3. \(7 \frac{2}{3}\) millon
\(\times 4.10 \frac{5}{3}\) millon
Q. 2 A can do a piece of work in 6 days. B can do it in 9 days. With the assistance of \(C\) they completed the work in 3 days. In how many days can C alone do the work?

Ans
-1. 18
\(\times 2.16\)
\(\times 3.12\)
\(\times 4.8\)
Q. 3 The following table shows the items of expenditure of a company (in ₹ lakh per annum), from 2015 to 2019.
\begin{tabular}{|l|l|l|l|l|l|}
\hline Year & Salary & \begin{tabular}{l} 
Fuel and \\
transport
\end{tabular} & Bonus & \begin{tabular}{l} 
Interest on \\
loans
\end{tabular} & taxes \\
\hline 2019 & 250 & 90 & 5 & 23.5 & 80 \\
\hline 2018 & 350 & 110 & 2.5 & 30 & 110 \\
\hline 2017 & 325 & 100 & 3.5 & 40 & 70 \\
\hline 2016 & 300 & 125 & 4 & 35 & 90 \\
\hline 2015 & 400 & 140 & 3 & 45 & 100 \\
\hline
\end{tabular}

What is the average amount of interest per year which the company had to pay during this period?
Ans
\(X\) 1. ₹ 35 lakh
\(X\) 2. ₹ 30.7 lakh
, 3. ₹ 34.7 lakh
X 4. ₹ 25 lakh
Q. 4 The total number of students in a class is 65 . If the total number of girls in the class is 35 , then the ratio of the total number of boys to the total number of girls is:

Ans
X1.7:6
- \(6: 7\)

X 3. 13:7
X4.7:13
Q. 5 By what number must the given number be multiplied to increase the number by \(25 \%\).

Ans
<1. \(\frac{3}{4}\)
- 2. \(\frac{5}{4}\)
\(X\) 3. 3
入4. \(\frac{2}{5}\)
Q. 6 If \(\cot \theta+\tan \theta=2 \sec \theta, 0^{\circ}<\theta<90^{\circ}\), then the value of \(\frac{\tan 2 \theta-\sec \theta}{\cot 2 \theta+\operatorname{cosec} \theta}\) is:

Ans
X \(1 . \frac{3-\sqrt{2}}{11}\)
X2. \(\frac{2 \sqrt{3}-1}{5}\)
- 3. \(\frac{2 \sqrt{3}-1}{11}\)

X4. \(\frac{3-\sqrt{2}}{5}\)
Q. 7 In a stream running at \(3 \mathrm{~km} / \mathrm{h}\), a motorboat goes 12 km upstream and back to the starting point in 60 min . Find the speed of the motorboat in still water. (in \(\mathrm{km} / \mathrm{h}\) )
Ans
⒈ \(2(2+\sqrt{17})\)
X2. \(2(4+\sqrt{15})\)
- 3. \(3(4+\sqrt{17})\)

人4. \(3(2+\sqrt{17})\)
Q. 8 The following table showing the percentage of the total population of a state in different age groups.
\begin{tabular}{|l|l|}
\hline Age group (in years) & Population (in percentage) \\
\hline \(0-15\) & 31 \\
\hline \(15-25\) & 5.25 \\
\hline \(25-35\) & 14.25 \\
\hline \(35-45\) & 14.50 \\
\hline \(45-55\) & 17.25 \\
\hline \(55 \&\) above & 17.75 \\
\hline Total & 100 \\
\hline
\end{tabular}

Out of every 50,000 people, find the approximate number of persons below the age of 35 .
Ans
X 1. 26,260
X 2. 26,250
X 3. 25,230
- 4. 25,250
Q. 9 In \(\triangle \mathrm{ABC}, \mathrm{D}\) is a point on BC such that AD is the bisector of \(\angle A, \mathrm{AB}=11.7 \mathrm{~cm}, \mathrm{AC}=7.8 \mathrm{~cm}\) and \(\mathrm{BC}=13 \mathrm{~cm}\). What is the length (in cm ) of \(D C\) ?
Ans
X 1.5 .6
\(\times 2.7 .8\)
- 3. 5.2
\(\times 4.6 .5\)
Q. 10 The average score in Mathematics of 90 students of sections A and B together is 49 . The number of students in A was \(25 \%\) more than that of B, and the average score of the students in B was \(20 \%\) higher than that of the students in A. What is the average score of the students in A?

Ans
- 1. 45
<2. 45.5
>3.44
<4.44.5
Q. 11 A man sold two gifts at ₹ 30 each. On one gift he gained \(18 \%\), and on the other gift he lost \(18 \%\). What is his overall gain/loss (in ₹)?

Ans
- Loss of \(₹ 2.00\)

X 2. Gain of ₹ 2.00
X 3. Loss of \(₹ 2.50\)
X 4. Gain of \(₹ 1.75\)
Q. 12 In the given figure, a circle inscribed in \(\triangle P Q R\) touches its sides \(P Q, Q R\) and \(R P\) at points \(S, T\) and \(U\), respectively. If \(\mathrm{PQ}=15 \mathrm{~cm}, \mathrm{QR}=10 \mathrm{~cm}\), and \(\mathrm{RP}=12 \mathrm{~cm}\), then find the length of \(\mathrm{PS}, \mathrm{QT}\) and RU ?


Ans
\(X\) 1. \(\mathrm{PS}=3.5 \mathrm{~cm}, \mathrm{QT}=6.5 \mathrm{~cm}\) and \(\mathrm{RU}=8.5 \mathrm{~cm}\)
X 2. \(\mathrm{PS}=6.5 \mathrm{~cm}, \mathrm{QT}=8.5 \mathrm{~cm}\) and \(\mathrm{RU}=3.5 \mathrm{~cm}\)
Х 3. \(\mathrm{PS}=8.5 \mathrm{~cm}, \mathrm{QT}=3.5 \mathrm{~cm}\) and \(\mathrm{RU}=6.5 \mathrm{~cm}\)
- 4. \(\mathrm{PS}=8.5 \mathrm{~cm}, \mathrm{QT}=6.5 \mathrm{~cm}\) and \(\mathrm{RU}=3.5 \mathrm{~cm}\)
Q. 13 What is the area of a triangle whose sides are \(3 \mathrm{~cm}, 5 \mathrm{~cm}\) and 4 cm ?

Ans \(1.6 \mathrm{~cm}^{2}\)
X 2. \(2 \sqrt{3} \mathrm{~cm}^{2}\)
\(\times 3.3 \mathrm{~cm}^{2}\)
X4. \(2 \sqrt{6} \mathrm{~cm}^{2}\)
Q. 14 Solve the following.
\(\left(\frac{\sin 27^{\circ}}{\cos 63^{\circ}}\right)-\left(\frac{\cos 27^{\circ}}{\sin 63^{\circ}}\right)^{2}\)
Ans
X 1.1
- 2.0

X 3. -1
\(\times 4.2\)
Q. 15 If \(5 \cos ^{2} \theta+1=3 \sin ^{2} \theta, 0^{\circ}<\theta<90^{\circ}\), then what is the value of \(\frac{\tan \theta+\sec \theta}{\cot \theta+\operatorname{cosec} \theta}\) ?

Ans
X \(1 . \frac{2+3 \sqrt{3}}{3}\)
\(\times\)
2. \(\frac{2+3 \sqrt{3}}{2}\)
-3. \(\frac{3+2 \sqrt{3}}{3}\)
X4. \(\frac{3+2 \sqrt{3}}{2}\)
Q. 16 What is the remainder when we divide \(5^{70}+7^{70}\) by 74 ?

Ans
X1. 5
- 2. 0
\(\times 3.7\)
\(\times 4.1\)
Q. \(1725 a^{2}-9\) is factored as:

Ans 1. \((5 a+3)(5 a-3)\)
X2. \((5 a-3)^{2}\)
X 3. \((25 a+1)(a-9)\)
×4. \((5 a+1)(5 a-9)\)
Q. 18 Find the product of \((a+b+2 c)\left(a^{2}+b^{2}+4 c^{2}-\mathrm{ab}-2 \mathrm{bc}-2 \mathrm{ca}\right)\).

Ans
X 1. \(a^{3}+b^{3}+8 c^{3}-\mathrm{abc}\)
- 2. \(a^{3}+b^{3}+8 c^{3}-6 \mathrm{abc}\)

Х 3. \(a^{3}+b^{3}+8 c^{3}-2 \mathrm{abc}\)
X 4. \(a^{3}+b^{3}+6 c^{3}-6 \mathrm{abc}\)
Q. 19 The length of each equal side of an isosceles triangle is 15 cm and the included angle between those two sides is \(90^{\circ}\). Find the area of the triangle.

Ans
-1. \(\frac{225}{2} \mathrm{~cm}^{2}\)
X2. \(225 \mathrm{~cm}^{2}\)
\(\times\) 3. \(\frac{255}{2} \mathrm{~cm}^{2}\)
X4. \(\frac{125}{2} \mathrm{~cm}^{2}\)
Q. 20 If \(a^{4}+\frac{1}{a^{4}}=50, a>0\), then find the value of \(a^{3}+\frac{1}{a^{3}}\).

Ans
\[
\begin{aligned}
& \times \text { 1. } \sqrt{2(1+\sqrt{13})}(-1-2 \sqrt{13}) \\
& \times \text { 2. } \sqrt{2(1-\sqrt{13})}(-1+2 \sqrt{13}) \\
& \text { 3. } \sqrt{2(1+\sqrt{13})}+(-1+2 \sqrt{13}) \\
& \text { 4. } \sqrt{2(1+\sqrt{13})}(-1+2 \sqrt{13})
\end{aligned}
\]
Q. 21 When two equal amounts are deposited for 5 years and 3 years at the rate of \(7 \%\) and \(9 \%\) per annum respectively, and the difference of their simple interest is ₹ 475 . Then find the deposited amount.

Ans
- 1. ₹ \(5,937.5\)

X 2 . ₹ \(5,837.5\)
X з. ₹ \(6,037.5\)
X 4. ₹ \(5,992.5\)
Q. 22 Find the area and circumference of a circle if the radius is 14 cm . (Take \(\pi=\frac{22}{7}\) )

Ans
X \({ }^{1}\). Area \(=44 \mathrm{~cm}^{2}\); Circumference \(=308 \mathrm{~cm}\)
\(X\) 2. Area \(=308 \mathrm{~cm}^{2}\); Circumference \(=44 \mathrm{~cm}\)
X \({ }^{\text {3. }}\) Area \(=88 \mathrm{~cm}^{2}\); Circumference \(=616 \mathrm{~cm}\)
- 4. Area \(=616 \mathrm{~cm}^{2}\); Circumference \(=88 \mathrm{~cm}\)
Q. 23 The following table shows the percentage distribution of the population of five states, \(\mathrm{A}, \mathrm{B}, \mathrm{C}, \mathrm{D}\) and E on the basis of the poverty line and also on the basis of sex.
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{ State } & \multirow{2}{l}{\begin{tabular}{l} 
Percentage of \\
population below the \\
poverty line
\end{tabular}} & \multicolumn{3}{l|}{ Proportion of Males and Females } \\
\cline { 3 - 4 } & & Below poverty line & Above poverty line \\
\cline { 3 - 4 } & Males: Females & Males: Females \\
\hline A & 15 & \(5: 3\) & \(4: 3\) \\
\hline B & 25 & \(1: 2\) & \(2: 3\) \\
\hline C & 19 & \(3: 2\) & \(4: 5\) \\
\hline D & 35 & \(1: 2\) & \(2: 3\) \\
\hline E & 24 & \(3: 5\) & \(6: 7\) \\
\hline
\end{tabular}

If the population of males below the poverty line for State C is 3 million, then what is the total population of State C ?
Ans
\(X 1.23 .361\) million
X 2. 24.486 million
- 3. 26.316 million

X 4.25 .617 million
Q. 24 Solve the following expression.
\(5.6-\{2+0.6\) of \((2.1-2.6 \times 1.12)\}\)
Ans
×1. 4.0871
- 2. 4.0872
\(\times 3.7 .7113\)
\(\times 4.7 .7112\)
Q. 25 A trader marks his goods at \(60 \%\) above the cost price and allows a discount of \(25 \%\). What is his gain percent?

Ans
X 1.30\%2. \(25 \%\)
- 3. \(20 \%\)

X4. \(40 \%\)

\section*{Section : English Comprehension}

\section*{Q. 1 Select the most appropriate meaning of the given idiom.}

Cut and dried
Ans
1. Very old
- 2. Already decided

X 3. Badly hurt
4. Dead and gone

\section*{Q. 2 Select the correct passive form of the given sentence.}

She is teaching French to children.
Ans
1. Children are being taught French by her.
2. Children were taught French by her.
3. Children are taught French by her.
4. Children have been taught French by her.
Q. 3 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

I do not see some reasons why_my application should be rejected.
Ans
Х 1. No improvement
- 2. any reason why
3. some reason for

X 4. many reasons so
Q. 4 Select the most appropriate ANTONYM of the given word.

Foul
Ans
(1. Vile
- 2. Fair
<3. Nasty
<4. Proud

\section*{Q. 5 Select the most appropriate ANTONYM of the given word.}

Malice
Ans
X 1 . Hypocrisy
- 2. Goodwill

⒊ Truth
(4. Humility

\section*{Q. 6 Select the INCORRECTLY spelt word.}

Ans
- 1. Fourty

Х 2 . Fifty
X 3. Eighty
(4. Ninety

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1) \(\qquad\) wooden dolls decreasing in size and (2) \(\qquad\) inside one another. The first such set (3) \(\qquad\) in 1890. The figures inside may be of (4) \(\qquad\) gender. The smallest doll is the baby, made from (5) \(\qquad\) single piece of wood.

SubQuestion No: 7
Q. 7 Select the most appropriate option to fill in blank number (1).

Ans
Х1.by
2. of
< 3 .for
4. in

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1) \(\qquad\) wooden dolls decreasing in size and (2) \(\qquad\) inside one another. The first such set (3) \(\qquad\) in 1890. The figures inside may be of (4) \(\qquad\) gender. The smallest doll is the baby, made from (5) single piece of wood.

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank number (2).

Ans1. situated
2. occupied
3. located
4. placed

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1) \(\qquad\) wooden dolls decreasing in size and (2) \(\qquad\) inside one another. The first such set (3) \(\qquad\) in 1890. The figures inside may be of (4) \(\qquad\) gender. The smallest doll is the baby, made from (5) \(\qquad\) single piece of wood.

SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank number (3).

Ans
1.made

2 . is made
- 3. was made
4. has been made

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1) \(\qquad\) wooden dolls decreasing in size and (2) \(\qquad\) inside one another. The first such set (3) \(\qquad\) in 1890. The figures inside may be of (4) \(\qquad\) gender. The smallest doll is the baby, made from (5) single piece of wood.

SubQuestion No : 10
Q. 10 Select the most appropriate option to fill in blank number (4).

Ans
X 1.some2. every
\(\checkmark 3\)
3. either4. neither

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1) \(\qquad\) wooden dolls decreasing in size and (2) \(\qquad\) inside one another. The first such set (3) \(\qquad\) in 1890. The figures inside may be of (4) \(\qquad\) gender. The smallest doll is the baby, made from (5) \(\qquad\) single piece of wood.

SubQuestion No : 11
Q. 11 Select the most appropriate option to fill in blank number (5).

Ans
1. each
- 2 . a
<3.an
4. the
Q. 12 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Having being warn before, he did not repeat the mistake.
Ans
- 1 . been warned before
2. No improvement
3. be warned before
4. being warned before
Q. 13 Select the most appropriate synonym of the given word.

Thrive
Ans
1. Crave

X 2. Languish
X 3. Shrink
4. Flourish
Q. 14 Select the most appropriate synonym of the given word.

Assault
Ans 1. Anxiety
2. Attack
(3. Alibi

X4. Anger
Q. 15 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. I found he was an old sailor and knew all the seafaring men in Bristol.
B. So, I engaged him on the spot to be the ship's cook but he proved to be much more.
C. He had lost his health ashore and wanted a berth as cook to get to the sea again.
D. I was standing on the dock when by accident I fell in talk with a stranger.

Ans
- 1. DACB
< 2 . DBAC
X 3. CBAD
X4.BACD
Q. 16 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. While the long thin ones are most common, there are many other varieties.
B. Noodles are the staple food in many cultures across the world.
C. They are then served with a sauce or in soup.
D. However, all varieties are usually cooked in boiling water.

Ans
X 1. BCDA
- 2. BADC

Х3.BCAD
X4. BDAC
Q. 17 Select the INCORRECTLY spelt word.

Ans
Х 1. Colleague
Х 2. Committee
- 3. Corresspond4. Commission
Q. 18 Fill in the blank with the most appropriate word.

The speaker \(\qquad\) the audience with his fine speech.

Ans
(1. depressed
\(\checkmark\)
2. impressed

X 3. suppressed
\$4. expressed
Q. 19 Fill in the blank with the most appropriate word.

Beautiful red roses \(\qquad\) the bride's hair.

Ans
(1. adjourned
- 2. adorned
< 3. allured
(4. attracted
Q. 20 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

As a little child she was afraid from darkness.
Ans
- 1. from darkness
(2. No error

3 3. she was afraid
\$4. As a little child
Q. 21 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Plenty of information were given to me at the tourist office.
Ans
ง 1. were given to me
< 2. Plenty of information
< 3. No error
4. at the tourist office
Q. 22 Select the correct indirect form of the given sentence.

The Principal has said, "Mr. Surinder will coach the football team."
Ans
1. The Principal has said that Mr. Surinder would coach the football team.
2. The Principal has asked that will Mr. Surinder coach the football team.
3. The Principal said that Mr. Surinder would coach the football team.
4. The Principal has said that Mr. Surinder will coach the football team.
Q. 23 Select the word which means the same as the group of words given.

To brighten up with lights
Ans
Х 1. Infuriate2. Illustrate
3. Elucidate
4. Illuminate
Q. 24 Select the word which means the same as the group of words given.

To rise in value
Ans
1. Depreciate
< 2. Enlarge
3. Appreciate

X4. Extend
Q. 25 Select the most appropriate meaning of the underlined idiom in the given sentence.

The people were scared because the burglar was at large.
Ans
1. very dangerous
2. behind bars
3.very famous
- 4. not caught

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|l|}
\hline Roll Number & E'Tayari \\
\hline Candidate Name & ETayari \\
\hline \hline Venue Name & iON Dizital Zone Faridabad \\
\hline Exam Date & 09/03/2020 \\
\hline Exam Time & 10:00 AM \(-11: 00\) AM \\
\hline Subject & CGLE Tier I \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 Which of the following Venn diagrams best represents the relationship between the classes?

Tables, Wooden objects, Chairs
Ans
\(\times 1\).

\(\checkmark 2\).

\(\times 3\).

\(\times 4\).

Q. 2 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X 1. RSTU
X 2. TVXZ
X 3. ADGJ
- 4. JNQS
Q. 3 If 'A' stands for 'subtraction', ' \(B\) ' stands for 'multiplication', ' \(C\) ' stands for 'addition' and ' \(D\) ' stands for 'division', then what is the value of the following expression?

32 B 4 A 12 B ( 35 A 24) C 52 D 4
Ans Х1.39
X2. 19
- 3.9

X4. 47
Q. 4 Select the option that is related to the third number in the same way as the second number is related to the first number.
\(56: 30:: 78\) : ?
Ans 1. 56
\(\times 2.53\)
\(\times 3.50\)
X4. 61
Q. 5 Select the option in which the given figure is embedded (rotation is not allowed).


Ans

Q. 6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)
from the statements.
Statements:
1. Some dancers are writers.
2. All writers are students.

\section*{Conclusions:}
I. Some students are dancers.
II. Some students are writers.
III. No student is a dancer.

Ans
\(X\) 1. Either conclusion I or III follows.
\(X\) 2. Only conclusions II and III follow.
- 3. Only conclusions I and II follow.

X 4. All conclusions I, II and III follow.
Q. 7 'Ethiopia' is related to 'Africa' in the same way as 'Brazil' is related to ' \(\qquad\) ,
Ans 1. South America
\(X\) 2. North America
> 3. Africa
X 4. Brasilia
Q. 8 Select the option in which the words share the same relationship as that shared by the given pair of words.

Audition : Selection
Ans
X 1. Machine : Fault
\(X\) 2. Competition : Poem
\(X\) 3. Loyalty : Fraud
- Examination : Pass
Q. 9 Select the option in which the numbers are related in the same way as are the numbers in the given set.
\((88,60,37)\)
Ans
X \(1 .(36,70,38)\)
X 2. \((43,49,27)\)
X \(3 .(56,38,28)\)
- 4. \((94,42,34)\)
Q. 10 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
Ans
X \(1.53: 378\)
Х2. \(37: 266\)
X3.45:322
4. \(43: 318\)
Q. 11 In a certain code language, 'POUND' is coded as ' 106 ' and 'CLEAN' is coded as ' 41 '. How will 'MAKER' be coded as in that language?

Ans
X 1.112
\(\times 2.50\)
\(\times 3.78\)
- 4.54
Q. 12 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of letters will be on opposite sides?


Ans \(\quad \mathrm{X} 1 . \mathrm{B}\) and E
\(X\) 2. \(L\) and \(U\)
\(X\) 3. A and Q
- 4. \(Q\) and \(E\)
Q. 13 Arrange the following words in the order in which they would appear in an English dictionary.
1. Realistic
2. Realism
3. Restore
4. Research
5. Resurge

Ans
X1.1,2,4, 3, 5
X2. 2, 1,3, 4, 5
X 3. \(2,1,4,5,3\)
- 4. \(2,1,4,3,5\)
Q. 14 Select the letter-cluster that can replace the question mark (?) in the following series.

DJQC, ELTG, FNWK, GPZO, ?
Ans
1. HRCS

X 2. GRDS
\(X\) 3. HQCT
X 4. HRBU
Q. 15 Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

RQBKHNT
Ans

\(\times 2\) С О вКнит

\(\times\) - TNHY日ठя
Q. 16 How many triangles are there in the given figure?


Ans
X1. 24
\(\times 2.21\)
-3. 22
\(\times 4.23\)
Q. 17 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{|l|l|l|}
\hline 11 & 12 & 18 \\
\hline 4 & 5 & 6 \\
\hline 57 & 19 & \(?\) \\
\hline
\end{tabular}

Ans
\(\times 1.69\)
X2. 205
X 3. 55
- 4.108
Q. 18 Select the letter that can replace the question mark (?) in the following series.

Y, R, L, G, ?, Z
Ans
- 1. C

X2. E
X3. F
>4. D
Q. 19 A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded?


Ans

Q. 20 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
- 1. Gallon

X 2. Volume
\(X\) 3. Weight
X 4. Distance
Q. \(21 \mathrm{~A}+\mathrm{B}\) means ' A is the father of B ';
\(\mathrm{A} \times \mathrm{B}\) means ' A is the brother of B ';
\(A \div B\) means ' \(A\) is the sister of \(B\) '.
Which of the following expressions means ' H is the paternal grandson of \(\mathrm{P}^{\prime}\) '?
Ans
-1. \(\mathrm{P}+\mathrm{K}+\mathrm{D} \div \mathrm{H} \times \mathrm{M}\)
X2. \(\mathrm{D}+\mathrm{H}+\mathrm{K} \times \mathrm{M} \div \mathrm{P}\)
Х3. \(\mathrm{P}+\mathrm{K}+\mathrm{D} \times \mathrm{H} \div \mathrm{M}\)
X \({ }^{4} \mathrm{H}+\mathrm{K}+\mathrm{D} \times \mathrm{P} \div \mathrm{M}\)
Q. 2260 students participated in one or more of the three competitions, i.e. Quiz, Extempore and Debate. A total of 22 students participated either in Quiz only or in Extempore only. 4 students participated in all three competitions. A total of 14 students participated in any of the two competitions only. How many students participated in Debate only?
Ans
X 1.22
\(\times 2.11\)
X 3.14
- 4.20
Q. 23 In a certain code language, 'DRONE' is written as 'SERFO'. How will 'HOUSE' be written as in that language?

Ans \(\times\) 1. PQWGS
X 2. PIVFT
- 3. PIXFT

X 4. QJXGB
Q. 24 Identify the number that does NOT belong to the following series.
\(2,6,14,30,62,126,250\)
Ans
X 1.62
\(\times 2.14\)
\(\times 3.126\)
- 4. 250
Q. 25 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 1 Fatehabad district derives its name from the eponymous headquarters town founded by ___ in the 14th century, who named it after his son Fateh Khan.
Ans
1. Firoz Shah Tughlaq

X 2. Allauddin Khilji
X 3 . Humayun4. Ghiyasuddin Tughlaq
Q. \(2 \ldots \ldots\) are called the 'Powerhouses' of the cell.

Ans
2. Arteries
3. Pituitary glands

X4. Lungs
Q. 3 What does the writ of 'Mandamus' mean?

Ans
1. We Command

X 2. By What Warrants
3. You May Have the Body
4. To be Certified
Q. 4 Which of the following years is called the Year of the Great Divide in the demographic history of India?
Ans
X1. 1931
< 2.1911
- 3.1921

X4. 1951

\section*{Q. 5 Name the first actor to win the Oscar Awards.}

Ans
< 1. Lionel Barrymore
- 2. Emil Jannings
< 3. Warner Baxter
< 4. Charlie Chaplin

\section*{Q. 6 Name the author of the book 'Ain-i-Akbari'?}

Ans
7 1. Dara Shikoh
(2. Abdul Rahim Khan-I-Khana
\(\checkmark\)
3. Abu'l Fazl
< 4. Todar Mal
Q. 7 Which of the following Acts was amended to provide a statutory basis for the implementation of the flexible inflation targeting (FIT) framework?
Ans
- 1. Reserve Bank of India (RBI) Act, 1934
\$ 2. Deposit Insurance and Credit Guarantee Corporation Act, 1961
X 3. The Industrial Finance Corporation of India Act, 1948
(4. Banking Regulation Act, 1949
Q. 8 What is the yellow dust present in the middle of a flower called?

Ans
< 1. Zygote
K 2. Sperm
X 3. Stomata
\(\bullet 4\)
4. Pollen
Q. 9 The wood of which of the following trees is used to make the large plucked string instrument used in Carnatic classical music known as Bobbili Veena / Saraswathi Veena?
Ans
1. Jackfruit wood

X 2 . Sandal wood
X 3. Walnut wood
入4. Teak wood
Q. 10 Deficiency of which of the following vitamins causes Night Blindness?

Ans
1 1. Vitamin B
< 2 . Vitamin C
(3. Vitamin D
4. Vitamin A
Q. 11 Shaukat Kaifi passed away in 2019. She was the mother of which famous actress?

Ans
1. Shabana Azmi

X 2. Dia Mirza
3. Fatima Sana Shaikh
4. Urmila Matondkar
Q. 12 Who launched the first phase of the Mumbai Trans Harbour Link (MTHL) on 15th January 2020?

Ans
1. Devendra Fadnavis
2. Uddhav Thackeray

X 3. Narendra Modi
X 4. Ajit Pawar
Q. 13 Jai Prakash Narayan Museum of Socialism is situated in:

Ans
< 1. New Delhi
v 2. Lucknow
< 3. Vadodara
(4. Amritsar
Q. 14 Protium, deuterium and tritium are the naturally occurring isotopes of:

Ans 1.hydrogen
< 2. carbon
X 3. nitrogen
(4. gold
Q. 15 The Legislative Assembly of which state adopted a new logo on the 9th January 2020?

Ans
X 1. Assam
(2. Andhra Pradesh
- 3. Arunachal Pradesh
\$4. Tripura
Q. 16 In which of the following is citric acid present?

Ans
(1. Black Gram
< 2. Curd
- 3. Lemon
(4. Tamarind
Q. 17 The India Meteorological Department (IMD) celebrated its \(\qquad\) foundation day on January 15, 2020.
Ans
\(>\)
2. 139th
\(\checkmark 3\)
3. 145th4. 140th
Q. 18 Name the Indian equestrian to qualify for the Tokyo Olympics officially after a wait / span of two decades.

Ans
X 1. Bishal Singh
X 2. Ghulam Mohammed Khan
- 3. Fouaad Mirza
(4. Raghubir Singh
Q. 19 What does GNP stand for?

Ans
1. Gramin Nigam Parishad

Х 2. Gramin Nisak Praman
- 3. Gross National Product
4. Gross National Produce

\section*{Q. 20 Who designed the logo for Lokpal in India?}

Ans
X 1. B.P. Raju
X 2. Kamareddy3. Prashant Mishra

X 4. Deepak Punia
Q. 21 On which country has the World Anti-doping Agency recently imposed a 4-year ban?

Ans
Х1. Pakistan
\(\times 2\). China
X 3 . Brazil
- 4. Russia

\section*{Q. 22 In which year was the first Round Table Conference held in London?}

Ans
- 2.1919

X 3.1923
Х4. 1907

\section*{Q. 23 What is the pass at the southern end of the Nilgiri hills called?}

Ans
1. Chorla ghat pass
- 2. Palakkad gap
3. Goran ghat pass
4. Malshej ghat pass

\section*{Q. 24 In which year did the Portuguese capture Goa?}

Ans
X2. 1475 AD
Х 3.1540 AD
X4. 1610 AD
Q. 25 The Paithan Hydro - Electric Project is on river \(\qquad\)
Ans
X 1. Brahmaputra
X 2. Yamuna
X 3 . Narmada
4. Godavari

\section*{Section : Quantitative Aptitude}
Q. 1 The length, breadth and height of a cuboidal box are in the ratio \(7: 5: 3\) and its whole surface area is \(27832 \mathrm{~cm}^{2}\). Its volume is:
Ans
X 1. \(288100 \mathrm{~cm}^{3}\)
\(\times\) 2. \(280120 \mathrm{~cm}^{3}\)
- 3. \(288120 \mathrm{~cm}^{3}\)

X4. \(208120 \mathrm{~cm}^{3}\)
Q. 2 If \(A+B=12\) and \(A B=17\), what is the value of \(A^{3}+B^{3}\) ?

Ans 1.1116
X2. 1106
X 3.1213
\(\times 4.1166\)
Q. 3 Ravi scores \(72 \%\) marks in examinations. If these are 360 marks, then the maximum marks are:

Ans
X 1.450
\(\times 2.400\)
- 3. 500
\(\times 4.350\)
Q. 4 The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{State} & \multicolumn{10}{|l|}{Year} \\
\hline & \multicolumn{2}{|l|}{1997} & \multicolumn{2}{|l|}{1998} & \multicolumn{2}{|l|}{1999} & \multicolumn{2}{|l|}{2000} & \multicolumn{2}{|l|}{2001} \\
\hline & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. \\
\hline M & 5200 & 720 & 8500 & 980 & 7400 & 850 & 6800 & 775 & 9500 & 1125 \\
\hline N & 7500 & 840 & 9200 & 1050 & 8450 & 920 & 9200 & 980 & 8800 & 1020 \\
\hline P & 6400 & 780 & 8800 & 1020 & 7800 & 890 & 8750 & 1010 & 9750 & 1250 \\
\hline Q & 8100 & 950 & 9500 & 1240 & 8700 & 980 & 9700 & 1200 & 8950 & 995 \\
\hline
\end{tabular}

What is the difference between the number of candidates qualifying in the year 1998 , in the states M and P ?
Ans
X 1.60
\(\times 2.50\)
\(\times 3.44\)
4. 40
Q. 5 In the right triangle shown in the figure, what is the value of \(\operatorname{cosec} \theta\) ?


Ans


X2. \(\frac{12}{13}\)3. \(\frac{13}{5}\)
\(\times\)
4. \(\frac{5}{13}\)
Q. 6 If \(6 \tan \theta-5 \sqrt{3} \sec \theta+12 \cot \theta=0,0^{\circ}<\theta<90^{\circ}\), then the value of \((\operatorname{cosec} \theta+\sec \theta)\) is:

Ans
X1. \(\frac{3+\sqrt{3}}{2}\)
<2. \(\frac{2(3+2 \sqrt{3})}{3}\)
<3. \(\frac{3+2 \sqrt{3}}{2}\)
4. \(\frac{2}{3}(3+\sqrt{3})\)
Q. 7 Ram makes a profit of \(30 \%\) by selling an article. What would be the profit percent if it were calculated on the selling price instead of the cost price? (Correct to one decimal place)
Ans
1. \(20.1 \%\)
2. \(24.2 \%\)
3. \(23.1 \%\)

X 4. \(22.4 \%\)
Q. 8 The single discount equivalent to two successive discounts of \(20 \%\) and \(15 \%\) is:

Ans
X 1.22\%
X 2. \(30 \%\)
- 3. \(32 \%\)

X4. \(28 \%\)
Q. 9 The value of \(1800 \div 20 \times\{(12-6)+(24-12)\}\) is:

Ans
X 1.1720
- 2. 1620
\(\times 3.840\)
X4. 2720
Q. 10 Ram and Shyam can complete a task in \(6 \frac{2}{3}\) days and 15 days, respectively. They work together for 4 days, and then Ram leaves. In how many days after Ram leaves, will Shyam complete the remaining task alone?

Ans
\(X 1.4\) days
X 2. 3 days
-3. 2 days
X 4. \(1 \frac{1}{2}\) days
Q. 11 Triangle PDC is drawn inside the square ABCD of side 24 cm where P lies on AB . What is the area of the triangle?

Ans
-1. \(288 \mathrm{~cm}^{2}\)
X 2. \(280 \mathrm{~cm}^{2}\)
X 3. \(298 \mathrm{~cm}^{2}\)
X4. \(200 \mathrm{~cm}^{2}\)
Q. 12 The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{State} & \multicolumn{10}{|l|}{Year} \\
\hline & \multicolumn{2}{|l|}{1997} & \multicolumn{2}{|l|}{1998} & \multicolumn{2}{|l|}{1999} & \multicolumn{2}{|l|}{2000} & \multicolumn{2}{|l|}{2001} \\
\hline & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. \\
\hline M & 5200 & 720 & 8500 & 980 & 7400 & 850 & 6800 & 775 & 9500 & 1125 \\
\hline N & 7500 & 840 & 9200 & 1050 & 8450 & 920 & 9200 & 980 & 8800 & 1020 \\
\hline P & 6400 & 780 & 8800 & 1020 & 7800 & 890 & 8750 & 1010 & 9750 & 1250 \\
\hline Q & 8100 & 950 & 9500 & 1240 & 8700 & 980 & 9700 & 1200 & 8950 & 995 \\
\hline
\end{tabular}

What was the total number of candidates appearing from all the states in the year 1997?
Ans
X 1. 22,700
- 2. 27,200

X 3. 27,000
X4.72,200
Q. 13 Expand: \((4 a+3 b+2 c)^{2}\)

Ans 1. \(16 a^{2}+9 b^{2}+4 c^{2}+24 a b+12 b c+16 c a\)
X2. \(4 a^{2}+3 b^{2}+2 c^{2}+24 a b+12 b c+16 c a\)
Х 3. \(16 a^{2}-9 b^{2}+4 c^{2}-24 a b+12 b c-16 c a\)
X4. \(16 a^{2}+9 b^{2}+4 c^{2}-24 a b-12 b c-16 c a\)
Q. 14 In the given figure \(\triangle A B C\), if \(\theta=80^{\circ}\), the measure of each of the other two angles will be:
C


Ans
入1. \(80^{\circ}\)
- 2. \(50^{\circ}\)
\(\times 3.60^{\circ}\)
Х4. \(40^{\circ}\)
Q. 15 What is the smallest integer that is a multiple of 5,8 and 15 ?

Ans 1. 120
\(\times 2.40\)
\(\times 3.60\)
\(\times 4.600\)
https://haryanajobs.in
Q. 16 X and Y are two stations which are 280 km apart. A train starts at a certain time from X and travels towards Y at 60 \(\mathrm{km} / \mathrm{h}\). After 2 hours, another train starts from Y and travels towards X at \(20 \mathrm{~km} / \mathrm{h}\). After how many hours does the train leaving from X meets the train which left from Y ?
Ans
\(X 1.6\) hours
X 2. 2 hours
- 3. 4 hours

X4. 3 hours

Status: Answered
Q. 17 The average age of A, B and C is 20 years, and that of B and C is 25 years. What is the age of A?

Ans
-1. 10 years
X2. 15 years
\(\times\) 3. 20 years
\(\times 4.25\) years
Q. 18 What is the area of a sector of a circle of radius 14 cm and central angle \(45^{\circ}\) ?
\(\left(\right.\) Take \(\left.\pi=\frac{22}{7}\right)\)
Ans
X \(1.67 \mathrm{~cm}^{2}\)
\(\times 2.11 \mathrm{~cm}^{2}\)
- 3. \(77 \mathrm{~cm}^{2}\)

X4. \(70 \mathrm{~cm}^{2}\)
Q. 19 Seema flies a kite on a 16 m string at an inclination of \(60^{\circ}\). What is the height ( h ) of the kite above the ground?

Ans
X1. \(16 \sqrt{3} \mathrm{~m}\)
- 2. \(8 \sqrt{3} \mathrm{~m}\)

⒊ \(4 \sqrt{3} \mathrm{~m}\)
X4. \(6 \sqrt{3} \mathrm{~m}\)
Q. 20 If \(3 A=4 B=5 C\), then \(A: B: C\) is equal to:

Ans
X1.10:7:6
- 2. \(20: 15: 12\)

X 3. \(20: 15: 16\)
\(\times 4.10: 5: 4\)
Q. \(21(3 a-4 b)^{3}\) is equal to:

Ans
X 1. \(27 a^{3}-64 b^{3}\)
- 2. \(27 a^{3}-64 b^{3}-108 a^{2} b+144 a b^{2}\)

Х 3. \(9 a^{2}-16 b^{2}\)
Х4. \(9 a^{2}-24 a b+16 b^{2}\)
Q. 22 The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{State} & \multicolumn{10}{|l|}{Year} \\
\hline & \multicolumn{2}{|l|}{1997} & \multicolumn{2}{|l|}{1998} & \multicolumn{2}{|l|}{1999} & \multicolumn{2}{|l|}{2000} & \multicolumn{2}{|l|}{2001} \\
\hline & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. \\
\hline M & 5200 & 720 & 8500 & 980 & 7400 & 850 & 6800 & 775 & 9500 & 1125 \\
\hline N & 7500 & 840 & 9200 & 1050 & 8450 & 920 & 9200 & 980 & 8800 & 1020 \\
\hline P & 6400 & 780 & 8800 & 1020 & 7800 & 890 & 8750 & 1010 & 9750 & 1250 \\
\hline Q & 8100 & 950 & 9500 & 1240 & 8700 & 980 & 9700 & 1200 & 8950 & 995 \\
\hline
\end{tabular}

The total number of candidates that qualified from all the states together in 1998 is approximately what percentage of the total number of candidates that qualified from all the states together in 2001 ? (Correct to Two decimal points)

Ans
X 1. \(96.70 \%\)
X 2. \(90.72 \%\)
X 3. \(94.7 \%\)
4. \(97.72 \%\)
Q. 23 The simple interest on a sum of money for 3 years at an interest rate of \(6 \%\) p.a. is \(₹ 6,750\). What will be the compound interest rounded off on the same sum at the same rate for the same period, compounded annually is closest to :

Ans
-1. ₹ 7,163
X 2. ₹ 7,103
X 3. ₹ 7,133
X4. ₹7,663
Q. 24 In the figure, PA is a tangent from an external point P to the circle with centre O . If \(\angle \mathrm{POB}=110^{\circ}\), then the measure of \(\angle A P O\) is:


Ans
\(\times 1.40^{\circ}\)
\(\times 2.30^{\circ}\)
\(\times 3.25^{\circ}\)
- 4. \(20^{\circ}\)
Q. 25 The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{State} & \multicolumn{10}{|l|}{Year} \\
\hline & \multicolumn{2}{|l|}{1997} & \multicolumn{2}{|l|}{1998} & \multicolumn{2}{|l|}{1999} & \multicolumn{2}{|l|}{2000} & \multicolumn{2}{|l|}{2001} \\
\hline & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. & Appeared & Qualified. \\
\hline M & 5200 & 720 & 8500 & 980 & 7400 & 850 & 6800 & 775 & 9500 & 1125 \\
\hline N & 7500 & 840 & 9200 & 1050 & 8450 & 920 & 9200 & 980 & 8800 & 1020 \\
\hline P & 6400 & 780 & 8800 & 1020 & 7800 & 890 & 8750 & 1010 & 9750 & 1250 \\
\hline Q & 8100 & 950 & 9500 & 1240 & 8700 & 980 & 9700 & 1200 & 8950 & 995 \\
\hline
\end{tabular}

What is the average number of candidates that appeared from State Q during the given years?
Ans
1. 8990
\(\times \quad 2.9000\)
\(\times \quad 3.8980\)
\(\times \quad 4.8880\)
Q. 1 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Our new office will become operational from a weeks time.
Ans
入1. for a weeks time2. by the week's time
\(\checkmark\)
3. in a week's time4. No improvement
Q. 2 Select the correct passive form of the given sentence.

Fortunately, the fire did not cause much damage.
Ans
1. Fortunately, not much damage was caused by the fire.

Х 2. Fortunately, not much damage was being caused by the fire.
3. Fortunately, not much damage is caused by the fire.
4. Fortunately, not much damage is being caused by the fire.
Q. 3 Select the correct indirect form of the given sentence.

Rahul said to his mother, "Can I go out and play now?"
Ans
1. Rahul asked his mother if he could go out and play then.
2. Rahul asked his mother that could he go out and play then.
3. Rahul asked his mother if can he go out and play now.
4. Rahul asked to his mother could he go out and play now.
Q. 4 Select the most appropriate meaning of the given idiom.

Kill two birds with one stone
Ans
1. To plan two murders simultaneously

Х 2. To try something impossible
3. To achieve two results with a single effort
4. To be an expert shooter
Q. 5 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

You will not learn cycling unless you don't try.
Ans
(1. until you don't try
2. unless you didn't try
- 3. unless you try
4. until you are not trying
Q. 6 Select the most appropriate synonym of the given word.

Solemn
Ans
< 1. Ignorant
- 2. Serious

X 3. Ordinary
<4. Furious

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Tourism can cause social, cultural or environmental disruption. The greatest concern is
(1) \(\qquad\) damage to environment. In order to attract more tourists, (2) \(\qquad\) resorts are built which take neither the local architecture (3) \(\qquad\) the ecology into consideration. Natural systems get (4) \(\qquad\) as a result of indiscriminate construction to provide water (5) \(\qquad\) waste disposal facilities along with recreational arrangements to tourists.

SubQuestion No : 7
Q. 7 Select the most appropriate option to fill in blank number (1).

Ans
< 1. one
<2. an
\(\checkmark\)
3. the
<4.

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1) \(\qquad\) damage to environment. In order to attract more tourists, (2) \(\qquad\) resorts are built which take neither the local architecture (3) \(\qquad\) the ecology into consideration. Natural systems get (4) \(\qquad\) as a result of indiscriminate construction to provide water (5) \(\qquad\) waste disposal facilities along with recreational arrangements to tourists.

SubQuestion No : 8
Q. 8 Select the most appropriate option to fill in blank number (2).

Ans
1. stretching
2. sprawling
3. spreading
4. scheming

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Tourism can cause social, cultural or environmental disruption. The greatest concern is
(1) \(\qquad\) damage to environment. In order to attract more tourists, (2) \(\qquad\) resorts are built which take neither the local architecture (3) \(\qquad\) the ecology into consideration. Natural systems get (4) \(\qquad\) as a result of indiscriminate construction to provide water (5) \(\qquad\) waste disposal facilities along with recreational arrangements to tourists.

SubQuestion No: 9
Q. 9 Select the most appropriate option to fill in blank number (3).

Ans
>1.no
<2. or
<3. none4. nor

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1) \(\qquad\) damage to environment. In order to attract more tourists, (2) \(\qquad\) resorts are built which take neither the local architecture (3) \(\qquad\) the ecology into consideration. Natural systems get (4) \(\qquad\) as a result of indiscriminate construction to provide water (5) \(\qquad\) waste disposal facilities along with recreational arrangements to tourists.

SubQuestion No : 10
Q. 10 Select the most appropriate option to fill in blank number (4).

Ans
Х 1. dismayed
2. distracted
3. displayed
- 4. destroyed

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Tourism can cause social, cultural or environmental disruption. The greatest concern is (1) \(\qquad\) damage to environment. In order to attract more tourists, (2) \(\qquad\) resorts are built which take neither the local architecture (3) \(\qquad\) the ecology into consideration. Natural systems get (4) \(\qquad\) as a result of indiscriminate construction to provide water (5) \(\qquad\) waste disposal facilities along with recreational arrangements to tourists.

SubQuestion No : 11
Q. 11 Select the most appropriate option to fill in blank number (5).

Ans
X 1 .but
< 2 . as
X3.also
- 4 . and
Q. 12 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. These baits were temptations that people couldn't resist.
B. He evolved a theory that the world was a rat-trap.
C. Once, a peddler sat looking at his rat-traps.
D. Here, people lay baits for others.

Ans
- 1. CBDA

X2. BDAC
Х 3 CADB
Х4. DACB
Q. 13 Select the word which means the same as the group of words given.

Central character in a story or play
Ans
1. Cartoonist
(2. Hedonist

3 3. Opportunist
4. Protagonist
Q. 14 In the sentence identify the segment which contains the grammatical error.

Mohit did not went to school yesterday as he was unwell.
Ans
- 1. went to school

X 2. was unwell
3. Mohit did not
4. yesterday as he
Q. 15 Select the most appropriate synonym of the given word.

Eradicate
Ans
-1. Uproot
2. Approve
3. Condense
4. Magnify
Q. 16 Fill in the blank with the most appropriate word.

Your demands are bound to lead to \(\qquad\) in the family.
Ans
X 1.absence
- 2. discord
3. decrease

4 4. barrier
Q. 17 Select the most appropriate ANTONYM of the given word.

Persuade
Ans
(1. Impress
(2. Pervade
< 3. Induce
4. Dissuade
Q. 18 Select the word which means the same as the group of words given.

Person or animal living on another
Ans
- 1. Parasite

X \({ }^{2}\). Pupil
Х 3 . Successor
<4. Heir
Q. 19 Select the INCORRECTLY spelt word.

Ans
< 1. Furious
- 2. Journy

X 3. Delicious
4. Failure
Q. 20 Fill in the blank with the most appropriate word.

Do you want to \(\qquad\) to Reader's Digest magazine?
Ans
Х 1. prescribe
v 2. subscribe
X 3. describe
4. transcribe
Q. 21 Select the most appropriate ANTONYM of the given word.

Rear
Ans
- 1. Front

X 2. Lower
Х 3 . Back
4. Hind
Q. 22 Select the INCORRECTLY spelt word.

Ans
- 1. Potraite
2. Pageant

X 3. Pamphlet
4. Persevere
Q. 23 In the sentence identify the segment which contains the grammatical error.

If a few drops of lemon are put in the milk, it has turned sour.
Ans
Х 1. drops of lemon
X 2. If a few
- 3. it has turned sour
4. are put in the milk
Q. 24 Select the most appropriate meaning of the given idiom.

Make off with
Ans
1. To understand
- 2. To run away
3. To transfer
4. To discover
Q. 25 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Their prestige and glory spread far and wide.
B. The first Olympics were held at Olympia in Greece in 776 B.C.
C. It was because the Christians believed that they encouraged pagan worship in temples.
D. However, with the advent of Christianity, the games lost their importance.

Ans
- 1. BADC

Х2. BCDA
Х3. ACDB
Х4. \({ }^{\text {DCAB }}\)

\section*{Combined Graduate Level Examination-2019 (Tier-I)}
\begin{tabular}{|l|l|}
\hline Roll Number & E Tayari \\
\hline Candidate Name & E Tayari \\
\hline \hline Venue Name & iON Digital Zone iDZ 2 Mathura Road \\
\hline Exam Date & 09/03/2020 \\
\hline Exam Time & \(1: 00\) PM \(-2: 00\) PM \\
\hline Subject & CGLE Tier I \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 Select the letter-cluster that can replace the question mark (?) in the following series.

NAVIGATE, PCVIGATE, NAXKGATE, ? , NAVIGAVG
Ans 1. NAVIICTE
X 2. NAXKICTE
Х 3. PCVIICUG
\(X\) 4. NAVIJCTF
Q. 2 Which two signs should be interchanged to make the given equation correct?
\(14 \times 3 \div 27+54-9=21\)
Ans
\(X 1 . \times\) and \(\div\)
\(\times 2 . \times\) and -
- \(3 . \div\) and -

X4. + and -
Q. 3 'Photoshop' is related to 'Software' in the same way as 'Optical Mouse' is related to " \(\qquad\) '.
Ans
1. Hardware

X 2. Touch-screen
X 3. Hard-disc
X 4. Malware
Q. 4 Select the figure that can replace the question mark (?) in the following series.


Ans

Q. 5 Select the number that can replace the question mark (?) in the following series.
\(39,50,63,80, ?, 122,151,182\)
Ans \(\times 1.90\)
×2. 108
Х3. 105
- 4. 99
Q. 6 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

Ans
X 1. \(39: 270\)
2. \(31: 214\)
- 3. \(21: 154\)

X4. \(37: 256\)
Q. 7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
1. No garden is a park.
2. Some gardens are schools.

Conclusions:
I. No park is a garden.
II. Some schools are gardens.
III. Some parks are gardens.

Ans
1. Either conclusion I or III and conclusion II follow.
\(X\) 2. Only conclusions II and III follow.
\(X\) 3. Either conclusion I or III follows.
4. Only conclusions I and II follow.
Q. 8 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{lll}
15 & 18 & \(?\) \\
8 & 9 & 12 \\
161 & 243 & 432
\end{tabular}

Ans
X1. 26
- 2. 24
\(\times 3.20\)
X4.22
Q. 9 Select the option in which the words share the same relationship as that shared by the given pair of words. Temple : Worship

Ans
\(X\) 1. University: President
X 2. Golden Temple: Amritsar
- 3. Church : Prayer

X 4. Garden : Plants
Q. 10 Select the letter will replace the question mark (?) in the following series.

A, J, E, L, I, N, O, P, U, ?
Ans
- 1. R

X 2. W
X 3. B
X4.K
Q. \(11 \mathrm{~A}-\mathrm{B}\) means ' A is the sister of B ';
\(\mathrm{A} \times \mathrm{B}\) means ' A is the husband of B ';
\(A \div B\) means ' \(A\) is the son of \(B\) '.
If, \(\mathrm{Y} \times \mathrm{M}-\mathrm{T}-\mathrm{Z} \div \mathrm{L} \times \mathrm{U}\), then how is U related to Y ?
Ans
X 1. Father-in-law
\(X\) 2. Father
X 3. Mother
- 4. Mother-in-law
Q. 12 What day of the week was 29 June 2010?

Ans
\(X 1\). Sunday
X 2. Wednesday
X 3. Monday
- 4. Tuesday
Q. 13 Select the option that is related to the third number in the same way as the second number is related to the first number.
\(3: 51:: 7:\) ?
Ans \(\quad \times 1.609\)
\(\times 2.319\)
- 3. 679
\(\times 4.335\)
Q. 14 Which of the following Venn diagrams best represents the relationship between the following classes?

Lady Constables, Uncles, Mothers
Ans

\(\infty\)

\(\times 4\).

Q. 15 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
X 1. Diabetes
- 2. Bone Marrow

X 3. Asthma
X4. Cancer
Q. 16 Select the dice that can be formed by folding the given sheet along the lines.


Ans
1. Only A and B
\(X\) 2. Only A, B and C
\(X\) 3. Only B and D
X 4. Only A
Q. 17 Arrange the following words in a logical and meaningful order.
1. Casting
2. Acting
3. Film Shooting
4. Final Film
5. Editing

Ans
X \(1,3,1,2,5,4\)
X2.4,3,5,1,2
- 3. \(1,2,3,5,4\)

X4.3,2,1,4,5
Q. 18 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
-1. KN
X2. LO
X 3. GT
X4. AZ
Q. 19 In a certain code language, 'SPECIAL' is coded as '20176410213'. How will 'MACHINE' be coded as in that language?

Ans
X 1.1424901056
\(\times 2.1524910146\)
X 3.1324810155
- 4.1424910156
Q. 20 In a certain code language, 'FIXATION' is written as 'AXIFNOIT'. How will 'GLYCERIN' be written as in that language?

Ans
X 1. LGZDGINR
- 2. CYLGNIRE

X 3. YLGECRNI
X4. NIRECYLG
Q. 21 Select the option in which the numbers are related in the same way as are the numbers in the given set.
\((22,64,352)\)
Ans
X \(1 .(19,52,257)\)
X2. \((24,16,108)\)
- 3. \((14,68,238)\)

X4. \((27,52,453)\)
Q. 22 Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

E W G Z M P K
Ans




Q. 23 Select the option in which the given figure X is embedded (rotation is not allowed).


Figure \(\mathbf{X}\)
Ans

Q. 24 How many triangles are there in the given figure?


Ans \(\times 1.15\)
\(\times 2.14\)
\(\times 3.12\)
- 4.13
Q. 25 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 1 'Pedology' is the science of:

Ans
1. ground water

3
2. skin disease3. soil
(4. childhood illness
Q. 2 Who among the following is NOT a recipient of the 2019 Mother Teresa Memorial Awards for Social Justice?
Ans
- 1. Medha Patkar
(2. Ajeet Singh

X 3. Priti Patkar
ス4. Kailash Satyarthi
Q. 3 What is the rank of India in the Human Development Index 2019?

Ans
X1.89th
\$2.130th
- 3.129 th
\$4.128th
Q. 4 In 2019, IIT-Madras launched the country's first indigenously designed standing wheelchair named as:

Ans
(1. Optimist

K 2. Awake
- 3. Arise
(4. Marathon

\section*{Q. 5 Who signed the treaty of Alinagar with the British?}

Ans \(\quad\) 1. Mir Jafar
- 2. Siraj-ud-Daula
<3. Mir Qasim
(4. Alivardi Khan
Q. 6 Which of the following rivers was known as Purushni in the Vedic period?

Ans 1. Ravi
X 2. Sutlej
Х3.Beas
>4. Chenab
Q. 7 Which tales are related with the painting and sculptures of the Ajanta caves?

Ans
Х 1. Panchatantra Tales
Х 2. Pentamerone Tales
- 3. Jataka Tales

Х 4. Hitopadesha Tales

\section*{Q. 8 Which of the following events did NOT occur in 1919?}

Ans
- 1. Partition of Bengal took place

X 2. Montague Chelmsford Reform was announced
X 3. Rowlatt Act was passed
4. Jallianwala Bagh tragedy took place

\section*{Q. 9 What does 'C' stand for in ITCZ?}

Ans
X 1. Circulation
\(\checkmark\)
2. Convergence
(3. Constant
\$4. Convection
Q. 10 How many molecules of ATP are obtained by the respiration of one molecule of glucose?

Ans
>1.4
>2. 36
<3.38
- 4.2
Q. 11 Who among the following is the Chief Minister of Mizoram as on November 2019?

Ans
入 1. Conrad Kongkal Sangma
- 2. PU Zoramthanga
(3. Neiphiu Rio
(4. Laldenga
Q. 12 The rating for a fuse used in a household electric circuit is provided on the basis of:

Ans
X 1. resistance
- 2. current
< 3. power
< 4. voltage
Q. 13 In which state is the festival of Uttarayan uniquely celebrated?

Ans
- 1. Gujarat

X 2. Kerala
X 3. Uttar Pradesh
4. Jharkhand
Q. 14 Which of the following is the lowermost layer of the Atmosphere?

Ans
- 1. Troposphere

X 2. Exosphere
3. Thermosphere

X 4. Mesosphere
Q. 15 Under which Amendment to the Constitution of India was Goods and Services Tax imposed?

Ans
1. 1.97th
< 2. 99th
X 3.103 rd
- 4.101 st
Q. 16 Which of the following ministries is NOT associated with the initiative of Beti Bachao, Beti Padhao Scheme?

Ans
X 1. Ministry of Human Resource Development
2. Ministry of Rural Development

X 3. Ministry of Women and Child Development
4. Ministry of Health and Family Welfare
Q. 17 Who among the following was the mascot of the Men's Hockey World Cup held at Bhubaneswar in 2018?

Ans \(\qquad\)
2 2 . Shera
- 3. Turtle Olly
<4. Millie
Q. 18 Who of the following authored the book 'Revolution 2020'?

Ans
X 1. Rupa Pai
- 2. Chetan Bhagat
3. Arvind Kejriwal
4. Devdutt Pattnaik
Q. 19 Constantan is an alloy of copper and \(\qquad\) -.
Ans
\(>\) 1. iron
v 2. nickel
3. aluminium
\(\chi_{4 . \operatorname{tin}}\)
Q. 20 How many medals did India win in the 2012 Summer Olympics?

Ans
- 1.6

X2.3
\(\times 3.5\)
\(\times 4.4\)
Q. 21 What is the rank of India in the Global Peace Index 2019?

Ans
X 1.144
\(\checkmark\)
2. 141
<3.143
( 4.142
Q. 22 Which among the following is a non-biodegradable waste?

Ans
X 1. Vegetables
(2. Dead animals
- 3. Plastic
<4. Flowers

\section*{Q. 23 Who among the following initiated 'Din-i-Ilahi'?}

Ans

\$2. Babur
\$ 3. Jahangir
< 4. Humayun
Q. 24 In July 2019, which of the following schemes was launched to accelerate water harvesting and conservation measures?

Ans
X 1. Jal Vikas Abhiyan
X 2. Jal Bachao Abhiyan
( 3. Jal hi dhan hai Abhiyan
- 4. Jal Shakti Abhiyan
Q. 25 Which of the following states does NOT share its boundary with Nepal?

Ans
>1. Bihar
Х 2. Uttar Pradesh
X 3. West Bengal
4. Assam

\section*{Section : Quantitative Aptitude}
Q. 1 The average of 4 terms is 30 and the 1 st term is \(\frac{1}{3}\) of the sum of the remaining terms. What is the first term?

Ans
-1. 30
\(\times 2.60\)
\(\times 3.40\)
X4. 20
Q. 2 Study the following table and answer the question.

Expenditures of a Company (in Lakh Rupees) per annum over the given Years
\begin{tabular}{|l|l|l|l|l|l|}
\hline \multirow{7}{*}{ Year } & \multicolumn{6}{l|}{ Items of Expenditure for the company } \\
\cline { 2 - 6 } & Salary & Fuel and Transport & Bonus & \begin{tabular}{l} 
Interest on \\
Loans
\end{tabular} & Taxes \\
\hline 2014 & 284 & 98 & 3.00 & 23.4 & 74 \\
\hline 2015 & 342 & 112 & 2.52 & 32.5 & 98 \\
\hline 2016 & 314 & 101 & 3.84 & 41.4 & 83 \\
\hline 2017 & 3.46 & 134 & 3.68 & 36.6 & 88 \\
\hline 2018 & 425 & 141 & 3.96 & 49.4 & 108 \\
\hline
\end{tabular}

Total expenditure on all the items in 2014 was approximately what percent of the total expenditure in \(2018 ?\)
Ans
X 1. \(65.32 \%\)
X 2. \(60.32 \%\)
X \(3.68 .32 \%\)
4. \(66.32 \%\)
Q. 3 Amit travelled a distance of 50 km in 9 hours. He travelled partly on foot at \(5 \mathrm{~km} / \mathrm{h}\) and partly by bicycle at \(10 \mathrm{~km} / \mathrm{h}\).

The distance travelled on the bicycle is:
Ans
1. 10 km

X 2. 13 km
X 3. 11 km
X4. 12 km
Q. 4 When 2 is subtracted from each of the given \(n\) numbers, then the sum of the numbers so obtained is 102 . When 5 is subtracted from each of them, then the sum of the numbers so obtained is 12 . What is the average of the given \(n\) numbers?
Ans
X1. 6.2
\(\times 2.5 .8\)
- 3. 5.4
\(\times 4.6 .6\)
Q. 5 Solve the following.
\(\frac{2 \sin 22^{\circ}}{\cos 68^{\circ}}-\frac{2 \cot 75^{\circ}}{5 \tan 15^{\circ}}-\frac{8 \tan 45^{\circ} \tan 20^{\circ} \tan 40^{\circ} \tan 50^{\circ} \tan 70^{\circ}}{5}\)
Ans
X1. 3
\(\times 2.2\)
- 3.0
\(\times 4.1\)
Q. 6 A man wanted to sell his bat at a discount of \(8 \%\). His brother who was a cricketer wanted to buy the bat, so the man sells it at a discount of \(10 \%\). In this deal, the man reduces \(₹ 70\) in profit. What was the market value of the bat?

Ans
X 1. ₹ 2,500
X 2. ₹ 3,200
- 3 ₹ 3,500

X 4. ₹ 3,000
Q. 7 If 5 divided the integer n , the remainder is 2 . What will be the remainder if 7 n is divided by 5 ?

Ans
X 1.1
<2. 2
<3.3
-4. 4
Q. \(8 \mathrm{~A}, \mathrm{~B}\) and C can individually complete a task in 24 days, 16 days and 32 days respectively. If A and C start the work and worked for 6 days and left, then the number of days required by B to complete the remaining task, is:

Ans
\(\times 1.12 \frac{1}{2}\)
- 2. 9

X \(3.17 \frac{1}{2}\)
X4. \(7 \frac{1}{2}\)
Q. 9 Solve the following expression.
\(11+11 \times 11-11 \div 11\)
Ans1. 131

X2. 11
\(\times 3.121\)
\(\times 4.22\)
Q. 10 If \(x, y, z\) are three numbers such that \(x+y=13, y+z=15\) and \(z+x=16\), then the value of \(\frac{x y+x z}{x y z}\) is:

Ans
ข1. \(\frac{5}{18}\)
(2. \(\frac{36}{5}\)

X 3. \(\frac{5}{36}\)
X4. \(\frac{18}{5}\)
Q. 11 If \(a=2 b=8 c\) and \(a+b+c=13\) then the value of \(\frac{\sqrt{a^{2}+b^{2}+c^{2}}}{2 c}\) is:

Ans
X1. \(-\frac{5}{6}\)
\(\times 2 . \frac{5}{6}\)
X 3. \(-\frac{9}{2}\)
- \(4 . \frac{9}{2}\)
Q. 12 The following table shows the production of fertilizers (in lakh tonne) by six companies for 5 months (January to May).
\begin{tabular}{|l|l|l|l|l|l|l|}
\hline \multirow{2}{*}{ Months } & \multicolumn{6}{|c|}{ Companies } \\
\cline { 2 - 7 } & I & II & III & IV & V & VI \\
\hline January & 327 & 180 & 185 & 137 & 145 & 120 \\
\hline February & 326 & 179 & 187 & 162 & 146 & 122 \\
\hline March & 320 & 160 & 188 & 173 & 135 & 130 \\
\hline April & 318 & 167 & 177 & 180 & 140 & 130 \\
\hline May & 310 & 150 & 169 & 178 & 140 & 128 \\
\hline
\end{tabular}

In which month does Company II have a contribution of approximately \(20 \%\) in the total fertilizer production?
Ans
1. April

X 2. May
\(X\) 3. January
X 4. March
Q. 13 In a circle, chords \(P Q\) and \(T S\) are produced to meet at \(R\). If \(R Q=14.4 \mathrm{~cm}, \mathrm{PQ}=11.2 \mathrm{~cm}\), and \(\mathrm{SR}=12.8 \mathrm{~cm}\), then the length of chord TS is:

Ans
\(X 1.18 \mathrm{~cm}\)
\(\times 2.14 .2 \mathrm{~cm}\)
X 3.12 .4 cm
- 4.16 cm
Q. 14 The following table shows the production of fertilizers (in lakh tonne) by six companies for 5 months (January to May).
\begin{tabular}{|l|l|l|l|l|l|l|}
\hline \multirow{2}{*}{ Months } & \multicolumn{6}{|c|}{ Companies } \\
\cline { 2 - 7 } & I & II & III & IV & V & VI \\
\hline January & 327 & 180 & 185 & 137 & 145 & 120 \\
\hline February & 326 & 179 & 187 & 162 & 146 & 122 \\
\hline March & 320 & 160 & 188 & 173 & 135 & 130 \\
\hline April & 318 & 167 & 177 & 180 & 140 & 130 \\
\hline May & 310 & 150 & 169 & 178 & 140 & 128 \\
\hline
\end{tabular}

There a continuous decrease in production over the months in:
Ans
\(X\) 1. Company IV
X 2. Company II
- 3. Company I

X 4. Company III
Q. 15 A wheel covers a distance of \(1,100 \mathrm{~cm}\) in one round. The diameter of the wheel is:

Ans
X 1.100 cm
\(\times 2.150 \mathrm{~cm}\)
- 3. 175 cm
\(\times 4.125 \mathrm{~cm}\)
Q. 16 The following table shows the imports and exports (in ₹ crore) of a country over 4 years (2016 to 2019).
\begin{tabular}{|l|l|l|l|l|}
\hline Years & 2016 & 2017 & 2018 & 2019 \\
\hline Imports & 125 & 145 & 165 & 188 \\
\hline Exports & 130 & 150 & 175 & 200 \\
\hline
\end{tabular}

The average trade balance (in ₹ crores) is
Ans
X1. 6
\(\times 2.12\)
- 3.8
\(\times 4.4\)
Q. 17 A shopkeeper buys two books for ₹ 300 . He sells the first book at a profit of \(20 \%\) and the second book at a loss of \(10 \%\). What is the selling price of the first book, if, in the whole transaction there is no profit no loss?

Ans
X 1. ₹ 110
X2. ₹ 125
X 3. ₹ 115
4. ₹ 120
Q. 18 A certain sum amounts to \(₹ 280900\) in 2 years at \(6 \%\) per annum, interest compounded annually. The sum is:

Ans
X 1. ₹ 200000
- 2. ₹ 250000

X 3. ₹550000
X4. ₹ 350000
Q. 19 If \(5 \cot \theta=3\), find the value of \(\frac{6 \sin \theta-3 \cos \theta}{7 \sin \theta+3 \cos \theta}\).

Ans
\(\times 1 \cdot \frac{44}{21}\)
\(\times 2 . \frac{20}{41}\)
-3. \(\frac{21}{44}\)
\(\times 4 . \frac{11}{40}\)
Q. 20 The volumes of spheres A and B are in the ratio \(125: 64\). If the sum of radii of A and B is 36 cm , then the surface area (in \(\mathrm{cm}^{2}\) ) of A is:

Ans
X1. \(512 \pi\)
\(\times 2.800 \pi\)
- 3. \(1600 \pi\)

X4. \(1024 \pi\)
Q. 21 Find the height of a cuboid whose volume is \(330 \mathrm{~cm}^{3}\) and base area is \(15 \mathrm{~cm}^{2}\).

Ans
\(X^{1 .} 24 \mathrm{~cm}\)
X2. 19 cm
X 3. 21 cm
- 4. 22 cm
Q. 22 Arrange the angles of the triangle from smallest to largest in the triangle, where the sides are \(\mathrm{AB}=7 \mathrm{~cm}, \mathrm{AC}=8 \mathrm{~cm}\), \(B C=9 \mathrm{~cm}\).

Ans
-1. C,B,A
X 2. B,A,C
X 3. A,B,C
X 4. C,B,D
Q. 23 If \(a^{2}+b^{2}-c^{2}=0\), then the value of \(\frac{2\left(a^{6}+b^{6}-c^{6}\right)}{3 a^{2} b^{2} c^{2}}\) is:

Ans
X1. 1
- 2. 2
\(\times 3.0\)
\(\times 4.3\)
Q. 24 The value of \((\operatorname{cosec} A+\cot A+1)(\operatorname{cosec} A-\cot A+1)-2 \operatorname{cosec} A\) is:

Ans
X 1. \(2 \operatorname{cosec} \mathrm{~A}\)
\(\times 2.0\)
- 3. 2

X 4. \(4 \operatorname{cosec} \mathrm{~A}\)
Q. 25 A train X travelling at \(60 \mathrm{~km} / \mathrm{h}\) overtakes another train \(\mathrm{Y}, 225 \mathrm{~m}\) long, and completely passes it in 72 seconds. If the trains had been going in opposite directions, they would have passed each other in 18 seconds. The length (in m ) of X and the speed (in \(\mathrm{km} / \mathrm{h}\) ) of \(Y\) are, respectively:
Ans
\(X 1.245\) and 542. 245 and 45
3. 255 and 36

X4. 255 and 40
Q. 1 Select the most appropriate synonym of the given word.

\section*{Abort}

Ans
X 1. Hate
X2. Continue
Х 3 . Begin
- 4. End

\section*{Q. 2 Select the word which means the same as the group of words given.}

Having something more than required
Ans
X 1. Surcharge
2. Surroundings
> 3. Surrogate
- 4. Surplus

\section*{Q. 3 Select the correct indirect form of the given sentence.}
"What are you going to call the puppy, Jane?" the boy asked.
Ans
1. Jane asked the boy what is he going to call the puppy.
2. The boy wondered what Jane were going to call the puppy.
3. The boy told Jane what she was going to call her puppy.
4. The boy asked Jane what she was going to call the puppy.
Q. 4 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. They also visit ailing friends and relatives, or attend to personal matters even during office hours.
B. Once in office, they receive friends and relatives who call them any time without prior appointment.
C. We can frequently find a large number of people sitting here and there and doing nothing.
D. Even those who are employed often come late to office and leave early unless they are forced to be punctual.
Ans
X 1. ACDB
> 2. DCAB
<3. \(A B C D\)
- 4. CDBA
Q. 5 In the sentence identify the segment which contains the grammatical error.

We must get this post send as soon as possible.
Ans
- 1 . send as
2. We must get

Х 3. soon as possible
(4. this post
Q. 6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

I was sitting at home doing nothing when I had heard that song again.
Ans


Х 2 . No improvement
⒊hears
4. has heard

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In a way, adult education is an educational movement through the medium (1) \(\qquad\) village schools. In the beginning, the (2) \(\qquad\) were suspicious. It was hard to persuade (3) \(\qquad\) realise that they were really getting something (4) \(\qquad\) the schools. They were not at all sure that they wanted their (5) \(\qquad\) to leave their homes.

SubQuestion No: 7

\section*{Q. 7 Select the most appropriate option for the blank numbered 1.}

Ans
>1. from
2.by
- 3. of
<4.in

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In a way, adult education is an educational movement through the medium (1) \(\qquad\) village schools. In the beginning, the (2) \(\qquad\) were suspicious. It was hard to persuade (3) \(\qquad\) to realise that they were really getting something (4) \(\qquad\) the schools. They were not at all sure
that they wanted their (5) \(\qquad\) to leave their homes.

SubQuestion No : 8
Q. 8 Select the most appropriate option for the blank numbered 2.

Ans
(1. officers
\(x\)
2. children
\(\checkmark\)
3. villagers4. politicians

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In a way, adult education is an educational movement through the medium (1) \(\qquad\) village schools. In the beginning, the (2) \(\qquad\) were suspicious. It was hard to persuade (3) \(\qquad\) realise that they were really getting something (4) \(\qquad\) the schools. They were not at all sure that they wanted their (5) \(\qquad\) to leave their homes.

SubQuestion No : 9
Q. 9 Select the most appropriate option for the blank numbered 3.

Ans
1 1.they
(2. him

X3.us
v 4 . them

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In a way, adult education is an educational movement through the medium (1) \(\qquad\) village schools. In the beginning, the (2) \(\qquad\) were suspicious. It was hard to persuade (3) \(\qquad\) to realise that they were really getting something (4) \(\qquad\) the schools. They were not at all sure that they wanted their (5) \(\qquad\) to leave their homes.

SubQuestion No: 10
Q. 10 Select the most appropriate option for the blank numbered 4.

Ans
Х 1.to
< 2 . for
X3.by
\(\checkmark\)
4. from

\section*{Comprehension:}

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In a way, adult education is an educational movement through the medium (1) \(\qquad\) village schools. In the beginning, the (2) \(\qquad\) were suspicious. It was hard to persuade (3) \(\qquad\) realise that they were really getting something (4) \(\qquad\) the schools. They were not at all sure that they wanted their (5) \(\qquad\) to leave their homes.

SubQuestion No: 11
Q. 11 Select the most appropriate option for the blank numbered 5 .

Ans
< 1. parents
2. teachers
3. villagers
- 4. children
Q. 12 Select the correct passive form of the given sentence.

The commander ordered his soldiers to move forward and attack the enemy camps.
Ans
1. His soldiers were ordered by the commander to be moved forward and attacked the enemy camps.
2. The commander was ordered by his soldiers to move forward and attack the enemy camps.
3. The soldiers were ordered by their commander to move forward and attack the
enemy camps.
4. The commander ordered his soldiers to be moved forward and attacked the enemy camps.
Q. 13 In the sentence identify the segment which contains the grammatical error.

Sita has no taste in classical dance.
Ans
- 1 in

Х 2. no taste
Х 3. Sita has
4. classical dance
Q. 14 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Accommodation and food were given free.
B. This was held in a hostel for poor students built by a philanthropist.
C. A few years ago, I was the chief guest at a small function.
D. But the inmates of the hostel had to bear other expenses like clothing and toiletries.

Ans
- 1. CBAD

Х2. BCAD
入3.ABCD
X4.BCDA
Q. 15 Select the most appropriate ANTONYM of the given word.

Mellow
Ans
1. Medium
2. Shiny
3. Hard
(4.Soft

\section*{Q. 16 Select the INCORRECTLY spelt word.}

Ans
- 1. Athelete

2 2. Convenience
3. Guarantee

X 4. Dilemma
Q. 17 Select the most appropriate synonym of the given word.

Exceed
Ans
1. Surpass

X 2. Decrease
X 3.Improve
(4. Decline
Q. 18 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

One evening, when father was coming home from work, I played in the front garden.
Ans
X 1. play
2. am playing

3 3. No improvement
- 4. was playing
Q. 19 Select the most appropriate meaning of the following idiom.

Blind alley
Ans
Х 1. A state of deep thought
2. A person who comes to meet occasionally
- 3. A situation in which no further progress can be made
4. Taking first step after somebody's approach
Q. 20 Select the most appropriate ANTONYM of the given word.

Emerge
Ans
Х 1. Announce
X 2 . Appear
X 3. Surface
4. Disappear
Q. 21 Select the INCORRECTLY spelt word.

Ans
>1. Shining
< 2 . Beginning
- 3. Guidence
<4. Soldier
Q. 22 Select the most appropriate option to fill in the blank.

Suzerainty is having political control over a \(\qquad\) state.

Ans1. dependent
< 2. democratic
X 3. unified
(4. backward
Q. 23 Select the most appropriate meaning of the following idiom.

The acid test
Ans
1 1. A critical situation or crisis2. An unpleasant or offensive test
3. A fact, event or situation that proves something
(4. Throwing acid on someone's face
Q. 24 Select the word which means the same as the group of words given.

Anger about an unfair situation or about someone's unfair behaviour
Ans
X 1. Induction
(2. Indigenisation
* 3. Indulgence
- 4. Indignation
Q. 25 Select the most appropriate option to fill in the blank.

My cousin's study on the reading habits of school children across three states has been recognised as a \(\qquad\) piece of research.

Ans
X 1. negligent
\$ 2. proud
\(-3\)
3. pioneering
< 4. useless

Combined Graduate Level Examination-2019 (Tier-I)
\begin{tabular}{|l|l|}
\hline Roll Number & \\
\hline E Tayari & \\
\hline \hline Venue Name & \(09 / 03 / 2020\) \\
\hline Exam Date & \(4: 00\) PM \(-5: 00\) PM \\
\hline Exam Time & CGLE Tier I \\
\hline Subject & \\
\hline \hline
\end{tabular}

\section*{Section : General Intelligence and Reasoning}
Q. 1 'Family' is related to 'Upbringing' in the same way as 'School' is related to ' \(\qquad\) '.

Ans
1. Education

X 2. Children
X 3. Curriculum
X4. Parents
Q. 2 Select the correct mirror image of the given alphanumeric-cluster when a mirror is placed on the right side of the cluster:

\section*{5 G 7 N PQ4}

\(\checkmark\) -


Q. 3 If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition', and D stands for 'division', then
what is the value of the following expression?
43 C 29 B 3 A 14 B ( 5 C 4) C 11 C ( 14 A 3 ) A 64 D 8 B 2
Ans
2. 10

X 3. 110
X4. 27
Q. 4 Arrange the following words intagicthanaiaranjopasider.
1. Nose
2. Forehead
3. Chin
4. Waist
5. Chest

Ans
X 1. 2, 4, 1, 5, 3
- 2. \(2,1,3,5,4\)

X 3. 3, 2, 4, 2, 1
X4.2,3,1,4,5
Q. 5 Select the option in which the words share the same relationship as that shared by the given pair of words.

Arteries: Circulatory System
Ans
1. Lungs: Olfactory system2. Eyes: Endocrine System

X 3. Kidney : Respiratory System
, 4. Nerves : Nervous System
Q. 6 In a certain code language, 'FOX' is coded as ' 108 ' and 'SOUP' is coded as ' 148 '. How will 'UPSIDE' be coded as in that language?

Ans
\$1.590
2. 528
<3. 385
<4.494
Q. 7 Select the option in which the numbers are relat
(14, 17, 961)
Ans
X \(1 .(15,14,743)\)
X 2. \((11,12,729)\)
- 3. \((13,19,1024)\)

X4. \((12,18,851)\)
Q. 8 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of symbols will be on opposite sides?


Ans
入1.@ and \%
- 2. \# and @

X 3. \& and \%
X4. S and +
Q. 9 Select the letter-cluster that can replace the question mark (?) in the following series.

PROGRESS, QTOGRESS, QTRKRESS, ?, QTRKWKZA
Ans
\(X\) 1. PRRKWKSS
\(X\) 2. QTRKVMSS
X 3. QTRKWKTY
- 4. QTRKWKSS

Ans
1. Europe
2. Africa
3. Asia
4. Russia
Q. 11 What day of the week was 5 February 2008?

Ans
X 1 . Wednesday
Х 2. Thursday
- 3. Tuesday

X 4. Monday
Q. 12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically(s) follow from the statements.

\section*{Statements:}
1. Some bottles are glasses.
2. Some glasses are bowls.

Conclusions:
I. Some bowls are bottles.
II. Some glasses are bottles.
III. No bowl is a bottle.

Ans
1. Either conclusion II or III follows.
2. Only conclusion II and either conclusion I or III follow.

X 3. All conclusions I, II and III follow.
X 4. Only conclusions II and III follow.

Ans
1. KNNPBEBL
2. MOPQDELM
3. LOPQBCKL
4. LNNPBDJL
Q. 14 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
\begin{tabular}{lll}
11 & 13 & 17 \\
33 & 35 & 39 \\
189 & 191 & \(?\)
\end{tabular}

Ans
1. 203
\(\times 2.199\)
- 3. 1954. 217
Q. 15 A piece of paper is folded and cut as shown below in th hte will appear when unfolded.


Ans

Q. 16 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
Ans
\(28: 56\)
2. \(55: 25\)
3. \(44: 16\)
4. \(76: 42\)
Q. 17 Select the letter that can replace the quteqtaithdalryia thetionbsnigeries.

C, E, H, J, M, O, R, ?
Ans
1. T
X2. S
X3. D
X4. W
Q. 18 Which of the following Venn diagrams best represents the relationship between the following classes?

Utensils, Spoons, Steel items
Ans

\(\times 2\)
\(\times 3 . \square\)
?



Figure \(\mathbf{X}\)
Ans

Q. 20 Select the number that can replace the question mark (?) in the following series
\(45,63,101,160,241\), ?
Ans
X 1.305
- 2. 345
\(\times 3.319\)
\(\times 4.368\)

23 : 527 :: 19 :?
Ans
X 1.325
- 2. 359
\(\times 3.402\)
\(\times 4.363\)
Q. 22 How many triangles are there in the given figure?


Ans
X1. 23
2. 22
3. 24
4. 20



Ans

"㘠田


Question ID : 8161611062
Status: Answered
Chosen Option : 2
Q. 24 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X 1. CIF
X2. DPG
- 3. BFF
4. EYH
 daughter's mother's mother-in-law". How is Rajeev related to Akanksha?

Ans
X 1. Father
- 2. Brother
\(X\) 3. Paternal uncle
X 4. Maternal uncle

\section*{Section : General Awareness}
Q. 1 Haemophobia is the fear of:

Ans
1. water
2. blood3. heights
4. darkness
Q. 2 The first Wimbledon Championship was held in:

Ans

\section*{Q. 3 Which of the following is an inert gas most commonly found in light bulbs?}

Ans
Q. 4 was awarded the Nobel Prize in 1pletocaikhightoblarnifobs.in
Ans
2. Rabindranath Tagore
3. Sarojini Naidu
(4. Mother Teresa

Status: Answered
Q. 5 Which of the following books is NOT authored by RK Narayan?

Ans
(1. The Guide
2. The Jungle Book3. Swami and Friends
4. Malgudi Days
Q. 6 Association) World Cup.
Ans
-1. Uruguay2. Brazil3. Italy
4. France
Q. 7 The amalgamation of Vijaya Bank and Dena Bank with Bank of Baroda (BoB) came into effect from:
Ans
1. 1 April 2018
2. 1 January 2019
3. 1 June 2019
4. 1 April 2019
Q. 8 The spice, cinnamon, is native to:

Ans
X1. Malaysia
2. Afghanistan
3. Bhutan
4. Sri Lanka

Status : Not Answered
Q. 9 The Mission Indradhanush, an initiative of Govt. of India, is associated with:

Ans
2. digitalisation3. highway development
4. cleanliness
Q. 10 Name the state capital located 530 metres above sea level between 93 East longitude and 27 North latitude.
Ans
- 1. Itanagar2. Hyderabad3. Patna
4. Dispur
Q. 11 Kandhamal Haldi, a variety of turmeric indigenous to \(\qquad\) , earned the Geographical Indication (GI) tag from Intellectual Property (India) in April, 2019.
Ans
- 1. Odisha2. Meghalaya3. Assam
4. Nagaland
Q. 12 As of January 2020, \(\qquad\)

Ans
2. Karnataka
3. Maharashtra
4. Uttar Pradesh

Status: Answered
Q. 13 \(\qquad\) was appointed Chief Justice of India with effect from 18 November 2019.
Ans
1. Ranjan Gogoi
2. Dipak Misra3. Ashok Bhushan
4. Sharad Arvind Bobde
Q. 14 In January 2020, China tested the world's first high-speed driverless bullet train between Beijing and:
Ans
1. Zhangjiakou2. Lhasa
(3. Shanghai
4. Haikou
Q. 15

\section*{in February 1915.}
was executed at Lahore in November 1915 for his role in the Ghadar Conspiracy

Ans

1. Tantia Mama
2. Kartar Singh Sarabha3. Maganbhai Patel
4. Vijay Singh Pathik
 Arc-de-Triomphe?
Ans
X 1. Charminar
入 2. Victoria Memorial3. Gateway of India
4. India Gate
Q. 17 Which of the following was NOT a type of sacrifice performed by kings in ancient India to establish their position?
Ans
2. Vajapeya

X 3. Rajasuya
X4. Ashvamedha
Q. 18 Crocodiles have a \(\qquad\) chambered heart.

Ans
- 1. four2. two3. three
4. single

\section*{Q. 19 Snails belong to Phylum:}

Ans1. Chordata2. Mollusca3. Echinodermata4. Arthropoda
 objective of supporting entrepreneurs, building a robust start-up ecosystem and transforming India into a country of job creators instead of job seekers.

Ans
入1. Digital India
Х 2. Skill India
- 3. Start-up India4. Empower India
Q. 21 The Kyaik Htee Yoe pagoda is located in:

Ans2. Sri Lanka
3. Myanmar
4. Nepal
Q. 22 Article \(\qquad\) of the Constitution of India deals with provisions related to the administration and control of Scheduled Areas and Scheduled Tribes.
Ans

Q. 23 Which of the following is the only correct pair as described by Chola inscriptions?

Ans1. Brahmadeya - land gifted to temples2. Shalabhoga - land gifted to Brahmanas
3. Pallichchhandam - land donated to Jaina institutions4. Vellanvagai - land of Brahmana peasant proprietors
Q. 24 Which of the following is a beach in Goaわttps://haryanajobs.in

Ans
1. Palolem

X 2. Varkala
X 3. Marina
X4. Kudle

Status: Answered
Chosen Option: 1

\section*{Q.25 Christiaan Barnard is famous for:}

Ans
1. performing the world's first human heart transplant
2. cloning the first mammal ever3. first publishing tables of logarithms
4. delivering the world's first test-tube baby

\section*{Section : Quantitative Aptitude}
Q. 1 The greatest number which may replace * in the number \(1190 * 6\) to make the number divisible by 9 is:

Ans
-1. 1
\(\times 2.0\)
\(\times 3.3\)
X4. 9
Q. 2

The value of \(\frac{3\left(1-2 \sin ^{2} x\right)}{\cos ^{2} x-\sin ^{2} x}\) is:
Ans

X2.1
-3. 34. 4

Ans
1. \(8 \%\)
2. \(4 \%\)
X 3. \(40 \%\)
4. \(80 \%\)
Q. 4 The following table shows the number of students enrolled in different streams in a particular college.
\begin{tabular}{|l|l|l|l|l|l|l|l|}
\hline \multicolumn{2}{|l|}{ Science } & \multicolumn{2}{l|}{ Arts } & \multicolumn{2}{l|}{ Commerce } & \multicolumn{2}{l|}{ Vocational } \\
\hline Boys & Girls & Boys & Girls & Boys & Girls & Boys & Girls \\
\hline 32 & 18 & 28 & 45 & 42 & 42 & 13 & 30 \\
\hline
\end{tabular}

The ratio of the number of girls studying Arts to the number of girls studying in all other streams is:
Ans
1. \(1: 3\)
2. \(3: 1\)
3. \(2: 1\)
4. \(1: 2\)
Q. 5 If \(p+q=7\) and \(p q=5\), then the value of \(p^{3}+q^{3}\) is:

Ans
-1. 2382. 34

⒊ 448
X4. 64

Ans
X \(1 .(2-1) \frac{1}{\sqrt{3}} \times \frac{1}{\sqrt{3}}\)2. 3
- 3 . \(\frac{1}{3}\)
\(\times 4.1\)
Q. 7 In the triangle, if \(\mathrm{AB}=\mathrm{AC}\) and \(\angle A B C=72^{\circ}\), then \(\angle B A C\) is:

Ans
Q. 8 The following table gives the frequency of vowels used in the page of a book.
\begin{tabular}{|l|c|c|c|c|c|}
\hline Vowels & \(\mathbf{a}\) & \(\mathbf{e}\) & \(\mathbf{i}\) & \(\mathbf{0}\) & \(\mathbf{u}\) \\
\hline Frequency & 75 & 125 & 80 & 70 & 75 \\
\hline
\end{tabular}

As per the given data, which vowels occur less than 80 times?
Ans
- 1. a, o, u

X2.a, e
Х 3. a, e, i
X4. a, i, o, u
Q. 9 The value of \((26-13 \times 2) \div 12 t+p\) ils:haryanajobs.in

Ans
\(\times 1 \cdot \frac{26}{3}\)
\(\times 2.0\)
3. 1

入4.14

Question ID : 8161611095
Status: Answered
Chosen Option: \(\mathbf{3}\)
Q. 10 PAQ is a tangent to a circle with centre O , at a point A on it. AB is a chord such that \(\angle B A Q=x^{\circ}(x<90)\). C is a point on the major arc AB such that \(\angle A C B=y^{\circ}\). If \(\angle A B O=32^{\circ}\), then the value of \(x+y\) is:
Ans
X 1.112
X2. 98
- 3.116
>4.110
Q. 11 From an external point \(P\), a tangent \(P Q\) is drawn to a circle, with the centre \(O\), touching the circle at \(Q\). If the distance of \(P\) from the centre is 13 cm and length of the tangent \(P Q\) is 12 cm , then the radius of the circle is:
Ans \(\quad .5 \mathrm{~cm}\)
X2. 3 cm
X 3.10 cm
X 4.12 .5 cm

Status : Not Answered
Q. 12 Eight persons can finish a work in 20 days. After 5 days they were requested to complete the work in the next 8 days. How many more persons should join the group to fulfil the requirement?
Ans
-1. 7
\(\times 2.12\)
X 3.15
\(\times 4.23\)
Q. 13 If \(x+3 y+2=0\) then value btt.os./2hardyanajoxs.in

Ans
X 1. -2
\(\times 2.2\)
- 3.0
\(\times 4.1\)
Q. 14 The value of \(\cos 10^{\circ} \cos 30^{\circ} \cos 50^{\circ} \cos 70^{\circ} \cos 90^{\circ}\) is:

Ans
\(X 1.5\)
\(\times 2.3\)
\(\times 3.1\)
- 4.0
Q. 15 The value of \(515 \times 485\) is:

Ans \(\quad\) 1. 20825
- 2. 249775

X 3. 200825
X4. 250225
Q. 16 A cell phone was marked at \(20 \%\) above the cost price and a discount of \(10 \%\) was given on its marked price. What is the profit percentage?

Ans
1. \(10 \%\)
2. \(9 \%\)

X 3. \(11 \%\)
- \(4.8 \%\)
 thereby earning a profit of \(25 \%\). How much money did he spend on the maintenance of the ear?

Ans
X 1. ₹ 47,750
X 2. ₹ \(8,687.5\)
- 3. ₹ 16,500

X 4. ₹ 20,625
Q. 18 The price of cooking oil increased by \(25 \%\). Find by how much percentage a family must reduce its consumption in order to maintain the same budget?

Ans
- 1. \(20 \%\)
- 2. \(70 \%\)
- 3. \(30 \%\)
4. \(80 \%\)
Q. 19 The following table shows the income (in rupees) for a particular month, together with their source, in respect of 5 employees (A, B, C, D and E).
\begin{tabular}{|l|l|l|l|l|l|}
\hline & A & B & C & D & E \\
\hline Salary & 52,000 & 48,500 & 42,000 & 31,000 & 25,000 \\
\hline Overtime & 0 & 0 & 1,500 & 2,500 & 3,200 \\
\hline Arrears & 5,500 & 4,500 & 4,000 & 3,000 & 1,500 \\
\hline Bonus & 3,500 & 3,000 & 2,500 & 2,000 & 2,000 \\
\hline \begin{tabular}{l} 
Miscellaneous \\
income
\end{tabular} & 5,000 & 3,000 & 2,000 & 1,500 & 0 \\
\hline Total & 66,000 & 59,000 & 52,000 & 40,000 & 31,700 \\
\hline
\end{tabular}

For employee D , the income from overtime is what percentage of his total income?
Ans
X1. \(22.5 \%\)
- 2. \(6.25 \%\)3. \(7.5 \%\)
4. \(5 \%\)
Q. \(20 \begin{aligned} & \text { In a class, the average score of thirty students on a test } \\ & \text { wrongly read as } 88 \text { instead of } 58 \text {. The actual average score is: }\end{aligned}\)

Ans
1. 68
\(\times 2.69\)
\(\times 3.58\)
\(\times 4.88\)
Q. 21 As per data shown in the following table, what is the percentage of students who got less than 50 marks?
\begin{tabular}{|l|c|c|c|c|c|c|c|}
\hline \begin{tabular}{l} 
Marks \\
obtained
\end{tabular} & 10 to 20 & 20 to 30 & 30 to 40 & 40 to 50 & 50 to 60 & 60 to 70 & 70 to 80 \\
\hline \begin{tabular}{l} 
Number of \\
students
\end{tabular} & 5 & 11 & 18 & 38 & 39 & 24 & 15 \\
\hline
\end{tabular}

Ans
1. \(48 \%\)
2. \(72 \%\)
3. \(38 \%\)

人4.74\%
Q. 22 If an amount of \(₹ 990\) is divided among \(A, B\) and \(C\) in the ratio of \(3: 4: 2\), then \(B\) will get:

Ans
X 1. ₹ 110
- 2. ₹ 440

X 3 . \(₹ 247.5\)
X 4 . \(₹ 350\)
Q. 23 The perimeter of a square plot is the same as that of a rectangular plot with sides 35 m and 15 m . The side of the square plot is:
Ans
X1. 100 m
X2. 20 m
X 3. 50 m
- 4. 25 m
Q. 24 The distance between two stations, \(A\) and \(B\), is 575 km . Atatiss station ' B ' at an average speed of \(50 \mathrm{~km} / \mathrm{h}\). Another train starts from station ' B ' at \(\mathrm{b}: 30 \mathrm{p} . \mathrm{m}\). ald moves towards station ' A ' at an average speed of \(60 \mathrm{~km} / \mathrm{h}\). How far from station ' A ' will the trains meet?

Ans
X 1.300 km
- 2. 275 km

X 3. 225 km
X 4.325 km
Q. 25 In a circle, AB is a the diameter and CD is a chord. AB and CD produced meet at a point P , outside the circle. If \(\mathrm{PD}=15.3 \mathrm{~cm}, \mathrm{CD}=11.9 \mathrm{~cm}\) and \(\mathrm{AP}=30.6 \mathrm{~cm}\), then the radius of the circle is:

Ans
\(X 1.7 .5 \mathrm{~cm}\)2. 9 cm
3. 8.5 cm
4.8 cm

\section*{Section : English Comprehension}
Q. 1 Select the most appropriate option to fill in the blank.

The popular leader is remarkable for the way in which he \(\qquad\) the qualities of a good politician and a world class thinker.
Ans
 sentence. If there is no need to substitute it, select No improvement.

Long after those five horses finish drinking water from the trough, an old horse appeared over the brow of the hill.
Ans
2. had finished
3. had been finishing
4. No Improvement
Q. 3 Select the word which means the same as the group of words given.

A building where grain is kept or stored
Ans
2. Greenery
3. Grate
4. Granary
Q. 4 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. So, in the agrarian era, you destroy your enemy's productive capacity by burning his crops or fields.
B. Now, in the information era, destroying the enemy's productive capacity means destroying their information infrastructure.
C. You battle with your enemy by destroying the enemy's productive capacity, which will be different depending upon the foundation of economy.
D. But in the industrial era, ending productive capacity meant bombing of the factories that are located in cities and main industrial areas.
Ans
Q. 5 Select the most appropriate ANTONYM ohttgi:n/wbiryanajobS.in

Humane
Ans
入1.Kind
v 2. Cruel3. Sympathetic
4. Living
Q. 6 Select the most appropriate synonym of the given word.

Relief
Ans
1. Stress
2. Aid3. Anger4. Emotion

\section*{Comprehension:}

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1) \(\qquad\) and you are served a glass of water.
You take your (2) \(\qquad\) to decide what you should order. When a (3) \(\qquad\) appears, you
ask him the routine question, "(4) \(\qquad\) do you have?" The waiter will begin to recite
(5) day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No: 7
Q. 7 Select the most appropriate option for the blank numbered 1.

Ans


In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1) \(\qquad\) and you are served a glass of water.
You take your (2) \(\qquad\) to decide what you should order. When a (3) \(\qquad\) appears, you
ask him the routine question, "(4) \(\qquad\) do you have?" The waiter will begin to recite
(5) \(\qquad\) day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No: 8

\section*{Q. 8 Select the most appropriate option for the blank numbered 2.}

Ans

\section*{Comprehension:}

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1) \(\qquad\) and you are served a glass of water.
You take your (2) \(\qquad\) to decide what you should order. When a (3) \(\qquad\) appears, you
ask him the routine question, "(4) \(\qquad\) do you have?" The waiter will begin to recite (5) \(\qquad\) day's menus, generally with nothing new in it, but you like to hear it all over again.

\section*{SubQuestion No: 9}

\section*{Q. 9 Select the most appropriate option for the blank numbered 3.}

Ans1. manager
2. friend3. cleaner
4. waiter

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1) \(\qquad\) and you are served a glass of water.
You take your (2) \(\qquad\) to decide what you should order. When a (3) \(\qquad\) appears, you
ask him the routine question, "(4) \(\qquad\) do you have?" The waiter will begin to recite
(5) \(\qquad\) day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 10

\section*{Q. 10 Select the most appropriate option for the blank numbered 4.}

Ans

\section*{Comprehension:}

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1) \(\qquad\) and you are served a glass of water.
You take your (2) \(\qquad\) to decide what you should order. When a (3) \(\qquad\) appears, you
ask him the routine question, "(4) \(\qquad\) do you have?" The waiter will begin to recite (5) \(\qquad\) day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 11

\section*{Q. 11 Select the most appropriate option for the blank numbered 5.}

Ans
Q. 12 Select the correct indirect form of the giventईpenņ¢haryanajobs.in

Johnny's mother said, "Johnny, run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese."
Ans
1. Johnny commanded his mother to go down to the grocer and buy a loaf of French bread and a pound of cheddar cheese.
2. Johnny's mother asked him to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.3. Johnny asked his mother to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.

4. Johnny's mother pleaded with John to run down to the grocer's and get her a loaf of French bread and a pound of cheddar cheese.
Q. 13 Select the most appropriate option to substitute the underlined segment in the given sentence.

You must go to the book fair if you are liking it or not.
Ans
- 1. whether you like it2. although you are liking it
3. if you like it4. whether you have liked
Q. 14 In the sentence identify the segment which contains the grammatical error.

The big ship sank and everyone abroad drowned.
Ans1. The big ship2. abroad drowned3. sank4. and everyone
Q. 15 Select the most appropriate option to fill \(\ln\) 枕posink/haryanajobs.in

Today's graduates should \(\qquad\) their skills constantly to be able to excel in their career and life.
Ans
- 1. upgrade

X 2. active
X3. encourage
>4. dilute
Q. 16 Select the most appropriate meaning of the following idiom.

\section*{To take a back seat}

Ans
1. To become less important or to give up control over things
(2. To be less successful in one's efforts
3. To go through a short but unpleasant period of time
4. To lecture or criticise the person who is actually in control of something
Q. 17 Select the correct passive form of the given sentence.

Conduct all the exams in a fair and proper manner.
Ans
1. The exams were all conducted in a fair and proper manner.2. All the exams are conducted in a fair and proper manner.
3. Let all the exams be conducted in a fair and proper manner.
4. Let all exams should be conducted in fair and proper manner.
Q. 18 Select the most appropriate ANTONYM of the given word.

Extol
Ans Х1. Exposure2. Boorish3. Realistic
4. Censure
Q. 19 Select the INcorrectlv spelt word. https://haryanajobs.in

Ans
2. Labarotary

X 3. Presence4. Absence

\section*{Q. 20 Select the most appropriate meaning of the following idiom.}

To bark up the wrong tree
Ans
1. To make a sound like that of a dog2. To cover oneself with the outer covering of a wrong tree
3. To sound or appear ferocious but not actually so
- 4. To do something that will not get the result you want
Q. 21 Select the most appropriate synonym of the given word.

Inclement
Ans
- 1. Dignified2. Stormy
3. Wonderful
4. Pleasant
Q. 22 Select the INCORRECTLY spelt word.

Ans
- 1. Fasineting2. Professional3. Grammatical
4. Occurrence

A. They were all very bright and eager to learn, and the sage was proud of them.
B. One day he realized that he had imparted sufficient knowledge to his disciples.
C. Once upon a time, a great sage had a group of obedient disciples.
D. There was only one thing that he had not taught them - a special mantra that could bring the dead back to life.
Ans
1. ADBC
\(>\)
2. \(A C B D\)

Х3. DBAC
- 4. CABD
Q. 24 Select the word which means the same as the group of words given.

Working very hard and very carefully
Ans
X1. Dilatory
(2. Indigent
3. Diligent
4. Indulgent
Q. 25 In the sentence identify the segment which contains the grammatical error.

It's raining heavily, so you should take an umbrella, but you will get wet.
Ans
(1. should take an umbrella
- 2. but you will get wet.
3. so you
4. It's raining heavily```

