Chandigarh Police
Paper-1: 11.00 am to 12.00 noon
Post : ASI (Executive)
Question Booklet & Answer Key: 18.12.2022

1. Which of the following city is also included in the recently launched 1st Phase of 5G service?
   A) Indore   B) Jamnagar   C) Kochi   D) Varanasi

2. Who headed the Committee on Prevention of Corruption which led to the setting up of Vigilance Commission of India?
   A) K.Santhanam   B) NS Rau   C) TN Kaul   D) VK Krishna Menon

3. India's oldest lighthouse was built, around 640 CE, by a:
   A) Chera King   B) Chola King   C) Pallava King   D) Pandya King

4. Which of the following statement(s) about INTERPOL is (are) true?
   i) Recently India hosted an INTERPOL General Assembly meeting after a gap of about 25years
   ii) There are about 196 member countries in INTERPOL
   iii) India became member of INTERPOL in 1948
   A) i) and ii)   B) ii) and iii)   C) iii) and i)   D) i), ii), iii)

5. Consider the following matches :-
   1) PM Vikas Pahal Scheme   - To promote development in the villages of North East
   2) FAME India Scheme   -To promote environment friendly vehicles
   3) Operation My Saheli   - To boost security of women passengers in train
   4) Pradhan Mantri Saubhagya Yojna   - Right to electricity to the poor and deprived
   Which of the above are correct matches?
   A) 1 and 2 only   B) 1, 2 and 3 only   C) 1, 3 and 4 only   D) 1, 2, and 4 only

6. The theme "Dignity For All in Practice: The commitments we make together for social justice, peace, and the planet" pertains to:
   A) World Day of Social Justice
   B) International Labour Day
   C) International Day of Human Fraternity
   D) International Day for the Eradication of Poverty

7. On climate change, which of the following statement(s) is (are) true about the COP?
   i) 'COP' stands for 'Conclave of the Parties'.   ii) 'COP1' took place in Zurich in 1995.
   iii) Paris Agreement was agreed at 'COP21'.
   A) Only i)   B) Only ii)   C) Only iii)   D) All i), ii) and iii)

8. Who collaborated in the India's first indigenously manufactured aluminium goods train rake?
   A) Besco & Hindalco   B) Besco & NALCO   C) Tisco & Hindco   D) Tisco & NALCO

9. On whom Bharat Ratna was not conferred concurrently?
   A) Jayaprakash Narayan, Amartya Sen, Gopinath Bordoloi and Ravi Shankar
   B) Lata Mangeshkar, Bismillah Khan and Bhimsen Joshi
   C) Madan Mohan Malaviya and Atal Bihari Vajpayee
   D) Pranab Mukherjee, Bhupen Hazarika and Nanaji Deshmukh

10. Match List I (Person) with List II (Discipline)

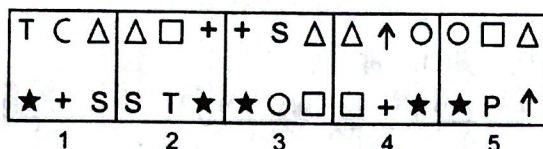| List I (Person)	List II (Discipline)
1. D Gukesh	a) Chess
2. Jai Prakash Nautiyal	b) Golf
	c) Shooting

   A) 1-a, 2-b   B) 1-b, 2-c   C) 1-c, 2-a   D) 1-a, 2-c

11. Who wrote Panchatantra stories, the Indian fables with great moral lessons?
    A) Brahm Dutt   B) Somdev Bhatt   C) Vishnu Dutt   D) Vishnu Sharma

12. As a righteous person one should be more concerned about ones'
    A) Character   B) Perception   C) Prosperity   D) Public image

13. Ethics can be best defined as a:
    A) Descriptive study of behavioural conduct in human life
    B) Simple Study of what is right or wrong in human conduct
    C) Analytical study of conduct for wellbeing
    D) Critical study of religion and its Human interface

14. Omerta, a code of silence that developed among members of the Mafia. It was used to protect criminals from the police, is:
    A) ethically-correct behaviour for the organization, and can also be viewed as correct from a moral point of view
    B) ethically-correct behaviour for the organization, but it can also be viewed as wrong from a moral point of view
    C) ethically-incorrect behaviour for the organization, and can also be viewed as wrong from a moral point of view
    D) ethically-incorrect behaviour for the organization, but it can also be viewed as correct from a moral point of view

15. The action of a lawyer who tells the court that his client is guilty, is:
    A) ethical, and seems right from a moral point of view
    B) ethical, and seems wrong from a moral point of view
    C) unethical, and seems wrong from a moral point of view
    D) unethical, and seems right from a moral point of view

16. There are two numbers such that the sum of twice the first number and thrice the second number is 141 and sum of thrice the first number and twice the second number is 174. Which is the largest number?
    A) 52   B) 36   C) 48   D) 24

17. $\sqrt{900} + \sqrt{0.09} - \sqrt{0.000009} = ?$
    A) 30.297   B) 30.197   C) 30.097   D) 30.397

18. The average weight of 4 men A, B, C, and D, is 67 kg. The 5th man E is included and the average weight decreases by 2 kg. A is replaced by F. The weight of F is 4 kg more than E. Average weight decreases because of the replacement of A and now the average weight is 64 kg. Find the weight of A.
    A) 78 kg.   B) 66 kg.   C) 75 kg.   D) 58 kg.

19. 4 litres are drawn from a container full of milk and is then filled with water. This operation is performed three more times. The ratio of the quantity of milk left in the container and that of water is 16 : 65. How much milk did the container hold initially?
    A) 24 litres   B) 12 litres   C) 15 litres   D) 25 litres

20. X, Y, and Z enter a partnership with share in the ratio of $\frac{7}{2} : \frac{4}{3} : \frac{6}{5}$. After 4 months, X increases his share by 50%. If the total profit at the end of the year be Rs. 21600, what will be the share of Y in the profit?
    A) Rs.8000   B) Rs.12000   C) Rs.4000   D) Rs.7000

21. A can do $\frac{3}{4}$ part of a lane work in 18 days. B can do $\frac{2}{3}$ part of the lane work in 12 days and C can do 60% of the lane work in 24 days. If A, B, and C do the work alone for 4 days, 6 days, and 8 days respectively, what percent of work is remaining.
    A) 40%   B) 25%   C) 30%   D) 27%

22. Two Pipes A & B can fill a tank in 24 min & 32 min, respectively. If both the pipes are opened together, after how much time pipe B should be closed so that the tank is full in 9 minutes?
    A) 40 min   B) 30 min   C) 10 min   D) 20 min

23. An express train travelled at an average speed of 100 km/hr, stopping for 3 min after every 75 km. A local train travelled at a speed of 50 km/hr, stopping for 1 min after every 25 km. If the trains began travelling at the same time, how many kilometers did the local train travel in the time in which the express train travel 600 km?

    A) 400 km   B) 405 km   C) 307.5 km   D) 415.5 km

24. X has to pay Rs. 440 to Y after 1 year. Y asks X to pay Rs. 220 in cash and defer the payment of Rs. 220 for 2 years. X agrees to it. If rate of interest be 10% per annum, find X's gain or loss.

    A) Gain of Rs. 3.33   B) Gain of Rs. 8   C) Loss of Rs. 9   D) Loss of Rs. 3.33

25. The simple interest on a certain sum of money for 3 years at 8% per annum is half the compound interest on Rs. 8000 for 2 years at 10% per annum. Find the sum placed on simple interest.

    A) Rs. 3500   B) Rs. 3800   C) Rs. 4000   D) Rs. 3600

26. X walked 5kms towards East and Y walked 6kms towards West, then X turned right and walked 10kms and Y turned right and walked 8kms. How far and in which direction is X from Y.

    A) 29 kms SE   B) 15 kms SE   C) 21.2 kms SE   D) $15\sqrt{5}$ kms SE

27. In a code language 'Ten Men Ken Sen' means 'He believes in God' , 'Men Fen Sen' means 'God believes optimist', ' Men Ten Zen' means 'He believes friendship' and ' Fen Ben Hen' means 'Optimist always happiness'.

    On the basis of the above information given, the code for 'optimist believes friendship' is

    A) Can't be determined   B) Fen Men Ten   C) Fen Men Zen   D) Sen Fen Ten

28. In a class among the passed student X is 22nd from the top and Y who is 5 ranks below X is 34th from the bottom. All the students from the class appeared for an examination. If the ratio of the students who passed in the examination to those who failed is 2:3 for the class, how many students were there in the class?

    A) 100   B) 150   C) 90   D) Data inadequate

29. A survey of representative sample of the population shows that –

    Newspaper A is read by 26% ; Newspaper B is read by 25% ; Newspaper C is read by 14% ; Newspaper A and B are read by 11% ; Newspaper B and C are read by 10 % ; Newspaper C and A are read by 9% ; Newspaper C only is read by 0%

    What is the ratio of readers who read atmost two Newpapers to the readers who read atleast two newspapers?

    A) 19:4   B) 7:3   C) 7:4   D) Can't be determined

30. There are two sets of figures namely the problem figures containing five figures 1, 2, 3, 4, 5 and the answer figures A), B), C), D). Select one figure from the answer figures which will continue the same series as given in the problem figures.

Problem Figures   Answer Figures

Directions (Q.No.31 & 32): Read the following information carefully & answer the questions below it.

Six friends Puneet, Karan, Sonu, Ramesh , Tinku, Umesh are members of a club and play a different game of Football, Cricket, Tennis, Basketball , Badminton, and Volleyball, each. Tinku, Who is taller than Puneet and Sonu, plays Tennis; the tallest among them plays Basketball; The shortest among them plays Volleyball ; Ramesh plays Volleyball ; Karan and Sonu neither play Volleyball nor Basketball ; Tinku is between Karan, who plays Football and Puneet in order of height.

31. Who will be at 4th place if they are arranged in the ascending order of their heights?
A) Tinku   B) Karan   C) Puneet   D) None of these

32. Which game does Puneet play?
A) Cricket   B) Badminton   C) Football   D) Either A) or B)

Directions (Q.No.33 & 34): Ten students A, B, C, D, E, F, G, H, I & J are sitting in a row facing south. B and F are not sitting on either of the edges; G is sitting to the left of D and H is sitting to the right of J; there are four persons between E and A; I is to the Right of B and F is to the Left of D; J is in between A and D and G is in between E and F; there are two persons between H and C.
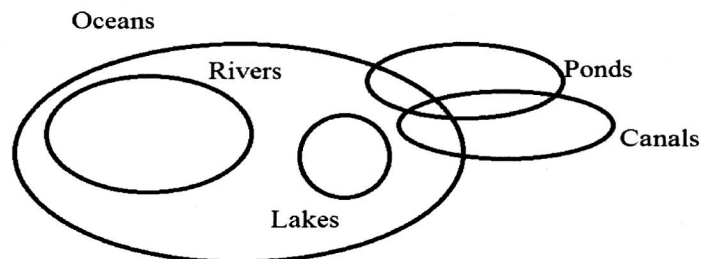
33. Who is sitting at the 4th place counting from the Right?
A) H   B) C   C) J   D) Either H or C

34. If G and A interchange their positions, then who become the immediate neighbors of G?
A) J and H or C   B) H or C   C) J or C   D) J or H

35. In the given series what should come in place of 'X'?
0, 0, 6, 30, 84, X
A) 124   B) 180   C) 174   D) 228

36. A truck has a four – digit number, such that none of its digits is 0. If we remove second or fourth digit, resultant three digit number is a perfect square. If we remove first digit, resultant three-digit number is a palindrome. No digit in the number is repeated more than twice. Find the remainder left when square of the truck number is divided by 5?
A) 1   B) 2   C) 3   D) Can't be determined

37.   From the following Venn diagram, select which of the given statements have a possibility of being true.
Statement I : Some oceans are canals
Statement II : No rivers are lakes
Statement III : Some oceans are there which are river, pond and canal at the same time
Statement IV : All lakes are ponds

A) Statement I & IV only   B) Statement I & II only
C) Statement III & IV only   D) Statement I, II & IV only

38. A family has six members in which two are males and remaining are females. The members are P, Q, R, S, T and U. There are two pairs of father and daughter in the family. S is wife of Q. R and Q are siblings. P is wife of T. U is not daughter of S. Below are given a few statements. Based on the given information, select which of the statement(s) is/are definitely true.

    I : The two male members of family are Q and T.   **II** : S is mother of P.

    III : T is also a sibling of Q.   **IV** : T is uncle of Q.

    A) Only I   B) Only I and II   C) Only I, II and IV   D) Only I and IV

39. A cube of side length 6 cm is painted red on all its sides. This cube is cut into smaller cubes of side length 2 cm. On each of the smaller cubes, the unpainted sides are painted green. Each of the smaller cubes is now further cut into cubes of side length 1 cm. How many small cubes of side length 1 cm will have exactly 3 of its faces coloured green?
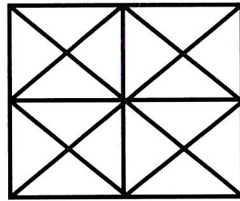
    A) 48   B) 64   C) 36   D) 24

40. How many triangles and squares are there in the figure given below?

    A) 44 triangles, 10 squares   B) 14 triangles, 16 squares
    C) 24 triangles, 6 squares   D) 24 triangles, 9 squares

Directions (Q.No.41 to 43) Consider the following MS-EXCEL spreadsheet for the next three questions. Note that the population column represents the city's population in millions of people.

	A	B	C	D	E	F
1	City	State	Population	Haryana	MP	UP
2	Patiala	Punjab	8.34			
3	Sonipat	Haryana	3.86			
4	Noida	UP	2.71			
5	Indore	MP	2.16			
6	Mandi	HP	1.49			
7	Sagar	MP	1.38			
8	Panipat	Haryana	1.39			
9	Cwalior	MP	1.24			
10						
11						

41. Suppose the formula =IF($B2=D$1, $A2, 0) is entered into cell D2. What value will Excel calculate for the cell D2?

    A) 0   B) 8.34   C) Patiala   D) Punjab

42. After entering the formula from the previous question into D2, suppose we copy the cell D2 and paste it into D2:F9. After pasting the formula, how many cells in the range D2:F9 contains 0?

    A) 0   B) 6   C) 12   D) 18

43. After pasting the formula described in the previous question into D2:F9, what is the value of the formula: =COUNTA(D:D) – COUNT(D:D)?

    A) 0   B) 3   C) 4   D) 5

44. In Windows Operating System, a confidential file needs to be deleted from a workstation. Which is the most effective way to ensure this?

A) Rename the file

B) Compress the file and backup to tape

C) Copy and paste the file into the recycle bin and empty the recycle bin

D) Drag the file into the recycle bin and empty the recycle bin

45 In the context of IT/ICT, which one of the following about spamming is true?

A) Spamming is posting or e-mailing unsolicited advertising messages to a wide audience

B) Spamming is sending lines of nonsensical garbage in a chat Conversation

C) Spamming is posting a message that contains a graphic description of something offensive

D) Spamming is an attempt to acquire sensitive information of Malicious reasons, by masquerading as a trustworthy entity

46. Why would Bcc: be used in an email?

A) Bcc allows the recipient to identify all the other recipients in the list when a group email address is used.

B) Bcc allows the sender to indicate who the email is for if there is more than one recipient.

C) Bcc allows the sender of a message to conceal the recipient entered in the Bcc field from the other recipients.

D) Bcc allows recipients to be visible to all other recipients of the message.

47. Which of the following pairs of communication technologies BOTH use asynchronous communication?

A) Forums and video conferencing.

B) Email and forums.

C) Instant messaging and forums.

D) Email and instant messaging.

48. Which of the following statements is/are true?

I. Micro-blogging is a practice of posting small pieces of content on the Internet through systems such as Twitter.

II. Search engines are also known as web browsers.

A) I only   B) II only   C) Both I and II   D) Neither I nor II

49. In word processing and desktop publishing, the terms portrait and landscape refer to:

A) Paragraph Formatting   B) Page Orientation   C) Paper Size   D) Page Layout

50. In Microsoft PowerPoint, the best way to insert a new slide in a presentation is to use the_____.

A) Normal view   B) Special view   C) Slide show view   D) Slide sorter view

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Chandigarh Police
Post: ASI (Executive)
Answer Key : 18-12-2022

Q. No.	Ans	Q. No.	Ans
1	B	26	C
2	A	27	C
3	C	28	B
4	A	29	A
5	B	30	C
6	D	31	A
7	C	32	D
8	A	33	D
9	B	34	A
10	D	35	B
11	D	36	A
12	A	37	B
13	B	38	B
14	B	39	B
15	D	40	A
16	C	41	A
17	A	42	D
18	B	43	B
19	B	44	D
20	C	45	A
21	C	46	C
22	D	47	B
23	C	48	A
24	D	49	B
25	A	50	D