1. Tomb of _____, who was South Asia's first female monarch is in Kaithal, Haryana.
   (A) Flani Padmi
   (B) Razia Sultan
   (C) Noorjahan
   (D) None of the above

2. If \( \frac{1}{6!} + \frac{1}{8!} = \frac{x}{7!} \) then \( x = \)
   (A) 56
   (B) 64
   (C) 78
   (D) 80

3. Which one of the following is not true about Rigveda?
   (A) It is the earliest Veda.
   (B) It is compiled between 1000 to 1500 BCE.
   (C) It consists of hymns Praise of Agni, Indra and soma.
   (D) It is a Veda of Melodies and Chants.

4. In a flowchart rhombus symbol is used for
   (A) Decision making
   (B) Input output operation
   (C) Start and end the program
   (D) Off page connector

5. Which term of the sequence 2, 3, 5, 8, 13, 21, is 128?
   (A) 12
   (B) 13
   (C) 14
   (D) 15

6. The width of a single slit if the first minimum is observed at an angle \( 2^\circ \) with a light of wavelength 5890 Å is
   (A) 2 x 10^{-1} mm
   (B) 0.02 mm
   (C) 0.2 mm
   (D) 2 mm

7. Feature of object oriented programming allows you to hide the required data.
   (A) Polymorphism
   (B) Inheritance
   (C) Abstraction
   (D) Encapsulation

8. Present Chairman of National Commission for Women (NCW)
   (A) Arundathi Bhairivi
   (B) Snehalatha
   (C) Lalitha Kumaramangalam
   (D) None of the above

9. _____ ka मकरसन जो दक्षिण पूर्वी में प्रथम
   (A) रामी पदमी
   (B) रिक्षा स्त्रिया
   (C) हरिरायणा
   (D) रामी स्त्रिया

10. A 30 cm long tape is wound around a 10 cmradius wheel.
    (A) 6 cm
    (B) 8 cm
    (C) 10 cm
    (D) None of the above

11. What is the correct answer?
    (A) 25
    (B) 35
    (C) 45
    (D) 55

12. India is known as
    (A) 9
    (B) 19
    (C) 29
    (D) 39

13. Find the value of \( x \)
    (A) 9
    (B) 19
    (C) 29
    (D) 39

14. Present Chairman in NCW
    (A) 1
    (B) 2
    (C) 3
    (D) 4

15. Pritam, who delivered more than
    (A) 1
    (B) 2
    (C) 3
    (D) 4

16. Which one is a derived unit?
    (A) Metre
    (B) Joule
    (C) Hydrogen
    (D) Heliocentric
9. In 2000, Aswini Chowdhary won the Indira Gandhi Award for Best Debut Film of a Director at the National Film Awards for the Haryanvi film
   (A) Dhakad Chhora
   (B) Laado
   (C) Phool Badan
   (D) Jatani

10. _______ is the space left on one side for stitching and binding.
    (A) Justify
    (B) Bullet
    (C) Gutter
    (D) Portrait

11. The Summit which produced convention dealing with climate change, biodiversity, forestry and recommended a list of developmental practices known as ‘Agenda 21’ is
    (A) Nairobi
    (B) Doha
    (C) Johannesburg
    (D) Rio de Janeiro

12. Sandeep was tasked as _______ during the reign period.
    (A) Karnavati
    (B) Kumudvati
    (C) Saraswati
    (D) Dhundali

13. In 1966, Punjab Reorganisation Act divided Punjab and transferred territory to the then Union Territory
    (A) Haryana
    (B) Himachal Pradesh
    (C) Delhi
    (D) Punjab

14. Music of Pandit Jasraj belongs to which of the following Gharanas?
    (A) Kirana
    (B) Agra
    (C) Gwalior
    (D) Mewati

15. Which of the following writs is issued by an appropriate judicial body in order to free a person who has been falsely detained?
    (A) Quo warranto
    (B) Mandamus
    (C) Certiorari
    (D) Habeas Corpus
17. In 2000, Aswini Chowdhary won the Indira Gandhi Award for Best Debut Film of a Director at the National Film Awards for the Haryanvi film
(A) Dhakad Chhoriya
(B) Laado
(C) Phool Badan
(D) Jatani

18. _______ is the space left on one side for stitching and binding.
(A) Justify  (B) Bullet
(C) Gutter  (D) Portrait

19. The Summit which produced convention dealing with climate change, biodiversity, forestry and recommended a list of developmental practices known as ‘Agenda 21’ is
(A) Nairobi  (B) Doha
(C) Johannesberg (D) Rio de Janeiro

20. Sahibi river was called as ______ during Vedic period.
(A) Kanavati  (B) Kumudvat
(C) Karaswati  (D) Dhadavat

21. In 1984, Punjab Reorganisation Act divided Punjab and transferred territory to the then Union Territory
(A) Haryana  (B) Himachal Pradesh
(C) Delhi  (D) Punjab

22. Music of Pandit Jasraj belongs to which of the following Gheranas?
(A) Kirana  (B) Agra
(C) Gwalior  (D) Mewati

23. Which of the following writs is issued by an appropriate judicial body in order to free a person who has been lawfully detained?
(A) Quo warranto  (B) Mandamus
(C) Certiorari  (D) Habeas Corpus
24. Which of the following is correctly matched?
   (A) Karoh peak – Shivalik hills
   (B) Dhansi hills – Morni hills
   (C) Mewat hills – Aravali hills
   (D) Ghaggar-Hakra – all season river

25. Chairman of National Human Rights Commission must be
   (A) Retired Chief Justice of High Court
   (B) Retired Chief Justice of Supreme Court
   (C) Retired Judge of Supreme Court
   (D) None of the above

26. Which of the following poets is regarded as the John Milton of Haryana?
   (A) Kashmiri Lal Zakir
   (B) Altaf Hussain Hall
   (C) Dayachand Mayna
   (D) Samartha Vashishtha

27. Pollen grains are well preserved as fossils due to the presence of
   (A) Germpores
   (B) Sporopollenin
   (C) Intine
   (D) Microspore mother cell

28. While appointing the Prime Minister the President selects
   (A) Leader of the largest party in Lok Sabha
   (B) Leader of the largest alliance in Lok Sabha
   (C) Leader of the majority party or alliance in Lok Sabha
   (D) Leader of the majority party or alliance in Rajya Sabha

29. If the sum to n terms of an A.P. is
   \[ S_n = 3n + 2n^2 \]
   then the common difference of the A.P. is
   (A) 3
   (B) 2
   (C) 6
   (D) 4

30. \[ 2(2m+4) - 6 = 6n \rightarrow 2m+4 = 3n \]
    \[ m+2 = \frac{3n}{2} \]
    \[ m+2 = \frac{3n}{2} \]
    \[ n = 12 \]
30. The type of cultivation which is also called as ‘Slash and Burn’ agriculture
(A) Shifting cultivation
(B) Mixed farming
(C) Sedentary cultivation
(D) Plantation farming

31. Indian Institute for Horticultural Research is based in
(A) Madras
(B) Bangalore
(C) Kochi
(D) None of the above

32. Milk sugar is
(A) Lactose
(B) Maltose
(C) Fructose
(D) Sucrose

33. According to Einstein’s photoelectric equation, the plot of the kinetic energy of the emitted photoelectrons, from a metal versus the frequency of the incident radiation gives a straight line whose slope
(A) Depends on the nature of the metal used
(B) Depends on the intensity of the radiation
(C) Depends on both the intensity of the radiation and the metal used
(D) Is the same for all the metals and independent of the intensity of the radiation

34. Sucrose is
(A) Monosaccharide
(B) Disaccharide
(C) Polysaccharide
(D) None of these

35. In C++, \( C_n \) and \( C_r \) are
(A) functions
(B) classes
(C) objects
(D) member

36. Ghaggar-Hakra river basin is classified in two parts, where the higher area that is not flooded in rainy season is called
(A) Khadar
(B) Bangar
(C) Kalar
(D) Banjar
37. If 25th is divided by 13, then remainder is
(A) 1   (B) 3
(C) 12  (D) none of these

38. He was the first Prime Minister of Pakistan and his birth place was Kamal, Haryana. Who is he?
(A) Sir Khawaja Nazimuddin (B) Mohammad Ali Bogra
(C) Chaudhry Mohammad Ali (D) Liaquat Ali Khan

39. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 75 questions and secures 125 marks, then the number of questions correctly is
(A) 35   (B) 40
(C) 42   (D) 46

40. Rajiv Gandhi Thermal Power Station is located at
(A) Kalayat (B) Pundri
(C) Bahadurgarh (D) Khedar

41. __________ are meant to enter the data and to receive output from the main computer, as they cannot process data on their own.
(A) Numbered terminals (B) General purpose terminals
(C) Job oriented terminals (D) All of the above

42. Suresh is regarded as having taken his inspiration from the teachings of great saint
(A) Ramdas (B) Haridas
(C) Chaitanya (D) Vallabhiracharya

43. Given \( |x - 1| > 5 \) then
(A) \( x \in (-4, 6) \)
(B) \( x \in [-4, 6] \)
(C) \( x \in (-\infty, -4) \cup (6, \infty) \)
(D) \( x \in (-\infty, -4) \cup [6, \infty) \)
44. Assembly language program is converted to object code in machine language using
(A) Decoder
(B) Debugger
(C) Compiler
(D) Assembler

45. Everybody in a room shakes hands with everybody else. The total number of handshakes are 66. The total number of persons in the room is
(A) 11 (B) 12
(C) 13 (D) 14

46. ______ built a palace in Narnaul who was the Diwan of Mughal emperor Shahjahan.
(A) Birbal
(B) Rai Mukund Das
(C) Rai Machav Das
(D) None of the above

47. Kalaam-o-Nairang is a compilation of poetry written by
(A) Syed Ghulam Bhai
(B) Murari Lai Sharma
(C) Allama Muhammad Iqbal
(D) Altaf Husaini Halim

48. Surajkund International Crafts Mela, a colourful traditional craft festival of India will be held every year during the month of
(A) January
(B) February
(C) March
(D) April

49. Five years ago, Nuri was thrice as old as Sonu. 10 years later Nuri will be twice old as Sonu. Find the present age of Sonu.
(A) 20 yrs (B) 16 yrs.
(C) 12 yrs (D) 15 yrs.

50. In a photograph, Shyam is to the left of Madan, Mary is to the right of George. Karim is in between Shyam and Mary. Who is at the corner?
(A) Shyam (B) Mary
(C) George (D) Karim

44. एसेबली भाषा प्रोग्राम स्थानीय भाषा अनुवाद सिस्टम के प्रयोग करके रूपांतरित होता है।
(A) डिकोडर
(B) डिबगर
(C) कॅप्टेन
(D) एसेबलर

45. एक कमरे में पांच व्यक्तियों ने प्रत्येक दूसरे से हाथ मिलाया। कुल 66 बार हाथ मिलाया गया। कमरे में कुल लोग हैं?
(A) 11 (B) 12
(C) 13 (D) 14

46. ______ ने नाराज भील में एक महल बनवाया जिसे मुगल शाहजहां का दीवारा भीतर वाला
(A) बीबंकल
(B) राय मुकुंद दास
(C) राय महावर दास
(D) उन्हें से कोई नहीं

47. कलाम-ए-नाईरंग________ द्वारा लिखित कविताओं का लक्ष्य है।
(A) सैयद गुलाम भिक
(B) सुशील लाल शर्मा
(C) अहमद मुहम्मद हक़लाल
(D) लक्ष्य अहमद हक़लाल

48. नदियाँ और टेक्स्ट कला मेला, एक रू-शिलांग पराक्रम भाषा का कला उत्सव प्रत्येक वर्ष____ में होता है।
(A) जनवरी
(B) फरवरी
(C) मार्च
(D) अप्रैल

49. पांडेय वर्ष, पुरी की आशा तेंदुल से तीन रेत पहुँच गई। 10 वर्ष बाद, वर्ष की अब नलू में बायली। मौजूदा की विवाह के अनुक्रम रूप है?
(A) 20 वर्ष (B) 10 वर्ष
(C) 12 वर्ष (D) 15 वर्ष

50. एक चित्र में, श्याम मदन के बाहर है, तेस्रा जादू के द्वारा है, किंग श्याम और नैला के बीच है। कौन पर बैठता है?
(A) राम (B) नैला
(C) जादू (D) कैलू
51. Wimbledon Tennis Tournament being held every year in which of the following countries?
(A) U.S.A.
(B) Australia
(C) England
(D) None of the above

52. The Amendment Act which made that Council of Ministers shall not exceed 15% of the total members of the House of the people
(A) 89
(B) 91
(C) 62
(D) 93

53. 2019 Pravasi Bharatiya Divas will be held in
(A) Lucknow
(B) Varanasi
(C) Ujjain
(D) None of the above

54. Which of the following is a mathematical statement?
(A) x is a real number
(B) switch off the fan
(C) 6 is a natural number
(D) let me go

55. In stomach, the enzyme converts protein into peptides?
(A) Dastar
(B) Nattap
(C) Husia
(D) Pepsin

56. If \( f(x) = \cos x + \sec x \) then
(A) \( f(x) > 2 \)
(B) \( f(x) = 1 \)
(C) \( f(x) < 2 \)
(D) none of these

57. Which of the following is not correct?
(A) \( \sin 0 = -\frac{1}{2} \)
(B) \( \cos 0 = 1 \)
(C) \( \sec 0 = 1 \)
(D) \( \tan 0 = 20 \)

58. A heritage museum in_______ is the only surviving steam loco shed in India and houses some of India’s fast surviving steam locomotives.
(A) Bhilwara
(B) Rewari
(C) Jind
(D) Kurukshetra

59. Which of the following is not correct?
(A) \( \sin 0 = -\frac{1}{2} \)
(B) \( \cos 0 = 1 \)
(C) \( \sec 0 = 1 \)
(D) \( \tan 0 = 20 \)

60. _______ is the only surviving steam loco shed in India and houses some of India’s fast surviving steam locomotives.
(A) Bhilwara
(B) Rewari
(C) Jind
(D) Kurukshetra

61. Which of the following is not correct?
(A) \( \sin 0 = -\frac{1}{2} \)
(B) \( \cos 0 = 1 \)
(C) \( \sec 0 = 1 \)
(D) \( \tan 0 = 20 \)

62. _______ is the only surviving steam loco shed in India and houses some of India’s fast surviving steam locomotives.
(A) Bhilwara
(B) Rewari
(C) Jind
(D) Kurukshetra
59. India’s longest tunnel recently opened in
   (A) Jammu Kashmir
   (B) Punjab
   (C) Haryana
   (D) None of the above

60. In the series, 64 1 2 28 7 4 2 1 5 1 3 8 6 2 1 7 1 4 4 3 2
   how many pairs of successive numbers have a difference of 2 each?
   (A) 4
   (B) 5
   (C) 6
   (D) 7

61. Two identical capacitors 1 and 2 are
   connected in series to a battery as shown in
   figure. Capacitor 2 contains a dielectric slab of dielectric constant K. Q₁ and Q₂ are
   the charges stored in the capacitors.
   Now the dielectric slab is removed and the corresponding charges are Q₁ and Q₂ then
   \[
   \begin{align*}
   Q₁ &= \frac{K+1}{K} \quad (A) \\
   Q₂ &= \frac{K+1}{2} \quad (B) \\
   Q₁' &= \frac{K+1}{2} \\
   Q₂' &= \frac{K+1}{2} \\
   Q₁ &= \frac{K+1}{K} \quad (C) \\
   Q₂ &= \frac{K+1}{2} \quad (D) \\
   \end{align*}
   \]

62. Let \( P(n) = 2^n + 1 < 2^n \), \( n \in \mathbb{N} \) then \( n \) is
   (A) \( \leq 3 \)
   (B) \( \leq 2 \)
   (C) \( \geq 3 \)
   (D) \( \geq 4 \)

63. _______ was the founder of Vardhana dynasty.
   (A) Harshavardhana
   (B) Vishnuvardhana
   (C) Pundravardhana
   (D) Pushpatvuthi

64. If \( A \) and \( B \) are two sets, then \( A \cap (A \cup B) = \)
   (A) \( A \)
   (B) \( B \)
   (C) \( \phi \)
   (D) \( A \cap B \)

65. _______ dance is performed during the long
   wait for the bridegroom to bring his new
   bride home.
   (A) Dharmal
   (B) Rasleela
   (C) Gugga
   (D) Khoria
66. South Asia’s first Ro-Ro ferry service recently inaugurated by Prime Minister in which of the following States?
   (A) Maharashtra
   (B) Gujarat
   (C) Andhra Pradesh
   (D) None of the above

67. The Article of Indian Constitution which lays down some Directive Principles of State Policy on Promotion of International Peace and Security is?
   (A) Article 58
   (B) Article 68
   (C) Article 51
   (D) None of the above

68. Which of the following is not a National Identity?
   (A) Saka era calendar
   (B) Ganga Dolphin
   (C) Asoka tree
   (D) None of the above

69. Spreadsheet files are generally stored with an extension
   (A) .doc (B) .xls
   (C) .txt (D) None of the above

70. Section 360 of IPC deals with
   (A) Kidnapping
   (B) Theft
   (C) Murder
   (D) None of the above

71. Who is famous with the name of Haryana Kesari?
   (A) Pt. Neki Ram Sharma
   (B) Devi Lal
   (C) Bansi Lal
   (D) Bhagat Dayal Sharma

72. If 4x means 3, 5x means 4, 6x means 5, then value of 5 – 3x + 5 + 40 × 10 is equal to
   (A) 20 (B) 140
   (C) -20 (D) none of these

73. The Article of Indian Constitution which lays down some Directive Principles of State Policy on Promotion of International Peace and Security is?
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   (A) 20 (B) 140
   (C) -20 (D) none of these
73. _______ was the first Regional Party of Haryana.
   (A) Haryana Janhit Congress
   (B) Janata Dal
   (C) Vishal Haryana Party
   (D) Indian National Lok Dal

74. _______ is the first State in the country to have launched a web portal-based Centralised Public Grievances Redress and Monitoring System.
   (A) Uttar Pradesh
   (B) Karnataka
   (C) Punjab
   (D) Haryana

75. Pasteurization is a
   (A) Low temperature treatment
   (B) Steaming treatment
   (C) High temperature treatment
   (D) Low and high temperature treatment

76. Alhad Elkaneri was a renowned Hindi and Urdu poet of
   (A) Varanasi
   (B) Haridwar
   (C) Shantilila
   (D) None of the above

77. Which one of the following is a purpose of ‘Project Tiger’?
   (A) Killing of Tigers
   (B) Preventing tigers from illegal killing
   (C) To take care of tigers
   (D) Putting Tigers in zoo

78. Operating system is a type of
   (A) Application software
   (B) Utility
   (C) System software
   (D) Language processor

79. A survey shows that 63% of the people watch a news channel whereas 73% watch another channel. If x% of the people watch both the channels then
   (A) \( x = 35 \)
   (B) \( x = 63 \)
   (C) \( 39 \leq x \leq 63 \)
   (D) \( x = 39 \)

80. Name the flat bone on the ventral midline of thorax.
   (A) Coccyx
   (B) Sacrum
   (C) Femur
   (D) Sternum
81. Protein present in cow’s milk is
(A) Zein  (B) Lactalbumin
(C) Casein  (D) Albumin

82. There are 36 cows in a herd, 20 are white and 28 are brown. How many have both the colours?
(A) 12  (B) 10
(C) 16  (D) 14

83. Lone district of Haryana that does not share its boundaries with any of the States or Union Territory is
(A) Sonipat  (B) Rohtak
(C) Sirsa  (D) Jind

84. The Parliament of Japan is called
(A) Diet  (B) Parliament
(C) Bundesstag  (D) Duma

85. Cocaine is obtained from the plant
(A) Erythroxylum coca  (B) Papaver somniferum
(C) Cannabis sativa  (D) Hibiscus rosasinensis

86. The Directive Principle of State Policy underlines philosophy of
(A) Socialism  (B) Capitalism
(C) Socialism  (D) Democratic centralisation

87. Choose the correct option to complete the matrix.

<table>
<thead>
<tr>
<th>40</th>
<th>160</th>
<th>?</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>40</td>
<td>10</td>
</tr>
</tbody>
</table>

(A) 360  (B) 120
(C) 140  (D) 80

88. People who are bald are generally of the intellectual type.
Arun is bald. Therefore Arun is intellectual.
Choose the correct option:
(A) True  (B) Probably true
(C) False  (D) Can't say
English Language

Fill in the blanks with appropriate preposition:

89. You must be content ______ what you have.
   (A) of  
   (B) with  
   (C) at  
   (D) for

90. I hope to finish the work ______ new years day.
   (A) by  
   (B) at  
   (C) in  
   (D) on

Select the sentence which is grammatically wrong:

91. (A) I will come if you invite me.  
   (B) He will certainly pass the test.  
   (C) He had gone to the pictures last night.  
   (D) The man complained that his cycle had been stolen.

92. (A) Take care that you are not cheat.  
   (B) I went to Mumbai recently.  
   (C) I am waiting here since morning.  
   (D) He returned from London last March.

Use correct question tag for the following sentences:

93. Don’t be late ______
   (A) Don’t you?  
   (B) Won’t you?  
   (C) Will you?  
   (D) Do you?

94. Let’s go out tonight ______
   (A) Shall we?  
   (B) Can we?  
   (C) Shant we?  
   (D) Will you?