1. This river enters Haryana near Kalesar forest
   (A) Ghaggar
   (B) Sahibi
   (C) Markanda
   (D) Yamuna

2. If \( a = \frac{\sqrt{3}}{2} \), then \( \sqrt{1 + a} + \sqrt{1 - a} \) is
   (A) \( \frac{\sqrt{3}}{2} \)
   (B) \( \frac{3}{2} \)
   (C) \( 2 - \sqrt{3} \)
   (D) \( 2 + \sqrt{3} \)

A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
   (A) 180 m
   (B) 324 m
   (C) 120 m
   (D) 150 m

Which of the following Institutes of Haryana has been renamed after former Finance Minister of India Arun Jaitley?
   (A) National Institute of Design, Ahmedabad
   (B) National Institute of Financial Management (NIFM), Faridabad
   (C) National Institute for Education and Vocational Training, Karnal
   (D) None of the above

5. Highest ranking in Indian Police
   (A) Director General of Police
   (B) Superintendent of Police
   (C) Inspector General of Police
   (D) Deputy Inspector General of Police

6. A vessel is filled with liquid, 3 parts of which are water and 5 parts syrup. How much of the mixture must be drawn off and replaced with water, so that the mixture may be half water and half syrup?
   (A) \( \frac{1}{4} \)
   (B) \( \frac{1}{5} \)
   (C) \( \frac{1}{3} \)
   (D) \( \frac{7}{12} \)

7. Which number should come in the place of question mark?
   120, 99, 80, 63, 48, ?
   (A) 38
   (B) 39
   (C) 40
   (D) 35
8. Y is the brother of W; X is the daughter of W; E is the sister of Y; Z is the brother of X. Who is the Uncle of Z?
   (A) X  (B) Y  (C) W  (D) None of these

9. Haryana Police was formed in the year
   (A) 1974  (B) 1970  (C) 1966  (D) 1968

10. When area of cross-section of a pipe increases, the velocity of flow of the liquid
    (A) Decreases  (B) Becomes zero  (C) Increases  (D) Remains the same

11. According to Food Safety and Standard Regulations, 2011 of which among the following statements is correct with respect to standardized milk?
    (A) Milk should contain standardized to fat minimum 4.5% and solids-not-fat minimum 6%.
    (B) Milk should contain standardized to fat minimum 4.5% and solids-not-fat minimum 8.5%.
    (C) Milk should contain standardized to fat minimum 3% and solids-not-fat minimum 8.5%.
    (D) Milk should contain standardized to fat minimum 1.5% and solids-not-fat minimum 9%.

12. This famous personality is known as the creator of Rock Garden, Chandigarh
    (A) Chhotu Ram  (B) Dayal Sharma  (C) Neeki Ram  (D) Nek Chand

13. Number of parallelograms in the given figure is
    (A) 20  (B) 19  (C) 18  (D) 16

14. _______ is a process of retrieving, deleted, corrupted and lost data from secondary storage devices.
    (A) Data decryption  (B) Data recovery  (C) Data discovery  (D) Data mining
15. I have a few sweets to be distributed. If I keep 2 or 3 or 4 in a pack, I am left with 1 sweet. If I keep 5 in a pack, I am left with none. What is the minimum number of sweets I have pack and distribute?
   (A) 25   (B) 54   (C) 37   (D) 65

16. Find the missing terms in the given series.
   G2X, J4V, M8T, ?, S32P
   (A) Q16R   (B) P16R   (C) N64S   (D) P8S

17. In which of the following districts of Haryana pilgrimage destination "Gurudwara Nada Sahib" is situated?
   (A) Karnal   (B) Sonipat   (C) Panchkula   (D) None of the above

18. ______ is a record of information that most servers collect by default and is often accessible from the hosting company or Internet Service Provider (ISP) for the site.
   (A) Root File System   (B) Cascaded Style Sheet   (C) Boot Record   (D) Server Log

19. Fowl Cholera is caused by
   (A) Pasteurella multocida   (B) Salmonella pullorum   (C) Vibrio cholera   (D) Paramyxovirus type 1

20. Oxidation state of oxygen in OF₂ is
   (A) +2   (B) -1   (C) +1   (D) -2

21. Warrant means
   (A) An arrest order issued by the Court   (B) An order to appear as witness   (C) A notice to appear before the Court   (D) An order to produce the evidence

22. Current microprocessor speed is measured in
   (A) Kilohertz   (B) Megahertz   (C) Nanohertz   (D) Gigahertz
23. Haryana Police has special women helpline number
(A) 1021  (B) 1011  (C) 1051  (D) 1091

24. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had
(A) 600 apples  (B) 672 apples  (C) 588 apples  (D) 700 apples

25. Web page files use the ______ file name extension.
(A) .js  (B) .HTM or .HTML  (C) .doc  (D) .jpeg

26. The Bahin Shanno Devi Panchayati Raj Award by Haryana Government is given to those women Panchayat leaders who have done exemplary work for the
(A) Female literacy  (B) Health and nutrition  (C) Empowerment of women  (D) All of the above

27. According to the early Tamil Literature (Sangam Texts) the large landowners living in the villages are called as
(A) Uzhavar  (B) Adimal  (C) Vellalar  (D) None of the above

28. The amount of the filtrate formed by the kidneys per minute is called
(A) Distal filtration rate  (B) Glomerular filtration rate  (C) Proximal filtration rate  (D) Henle's loop filtration rate

29. A person below ______ age is not punished for his crime.
(A) 7 years  (B) 12 years  (C) 21 years  (D) 18 years

30. Which of the following States of India often called as “Food Mine” of the country?
(A) Telangana  (B) Kerala  (C) Haryana  (D) Maharashtra
31. If the largest 3 digit number is subtracted from the smallest 5 digit number, then the remainder is
   (A) 9000  (B) 1  (C) 9001  (D) 90001

32. In a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?
   (A) CQOCBZ  (B) CPOCBZ  (C) CPNCBZ  (D) CPNCBZ

33. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
   1, 9, 25, 49, ?, 121
   (A) 81  (B) 91  (C) 64  (D) 100

34. Find the missing number in the table given below.

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<td>8</td>
<td>10</td>
<td>2</td>
<td>?</td>
<td>7</td>
</tr>
</tbody>
</table>
   (A) 5  (B) 7  (C) 2  (D) 1

35. India’s first grain ATM has been set up in
   (A) Mysore, Karnataka  (B) Kochi, Kerala  (C) Gurugram, Haryana  (D) None of the above

36. In which of the following places of Haryana State Government recently started the ‘Project Air Care’ to combat rising air pollution?
   (A) Kurukshetra  (B) Ambala  (C) Gurugram  (D) None of the above

37. Who was defeated by Babur at the battle of Khanwa in 1527?
   (A) Hasan Khan Mewati  (B) Harshavardhan  (C) Jatwan  (D) Gopal Singh

38. A man had 17 sheep. All but nine died. How many was he left with?
   (A) 9  (B) 8  (C) Nil  (D) 17
39. _____ is restricted to a small geographical area, usually to a relatively small number of stations.
(A) Wide Area Network (WAN)
(B) Metropolitan Area Network (MAN)
(C) Local Area Network (LAN)
(D) Internet

40. Shyam Satsai is the composition of
(A) Deedar Singh
(B) Santokh Singh
(C) Tulsi Ram Sharma
(D) Mohammad Sarwar

41. The flowers in a basket double every minute and the basket gets full in one hour. In how many minutes the basket was 1/32 full?
(A) 55 mins  
(B) 45 mins  
(C) 12 mins  
(D) 32 mins

42. What will come in the place of question mark?
AZ, CX, FU, ?
(A) JQ  
(B) IV  
(C) IR  
(D) KP

43. Haryana Police has wireless repeater antennae at
(A) Takdi hill  
(B) Sarahan hill  
(C) Tosham hill range  
(D) All the above

44. If Sunitha is taller than Seema and Reena. Reena is shorter than Radha and Gowri, Bina is taller than Radha and shorter than Sunitha. Sunitha is not the tallest and Reena not the shortest, then who is the tallest?
(A) Seema  
(B) Gowri  
(C) Data inadequate  
(D) Bina

45. _____ is defined as the structure of a website and its pages: how the site and the site navigations are organized.
(A) User experience  
(B) Wireframes  
(C) Information architecture  
(D) Mock-up
46. Consider the following statements about Pran Vayu–Devta Pension Scheme (PVDP), of Government of Haryana.

I. It is an initiative to honour all those trees which are of the age of 75 years and above and have served humanity throughout their life by producing oxygen, reducing pollution, providing shade, etc.

II. Such trees will be identified throughout the State and these will be looked after by involving local people.

Choose the correct option from given below.

(A) Only the statement II is correct
(B) Both the statements I and II are correct
(C) Only the statement I is correct
(D) Both the statements I and II are incorrect

47. The total number of seats won by Congress Party in 1984 Lok Sabha elections

(A) 435
(B) 453
(C) 451
(D) 415

48. Which part of the Human lungs provide surface for the exchange of gases?

(A) Alveoli
(B) Diaphragm
(C) Bronchi
(D) Bronchioles

49. Substitute the correct mathematical symbols for * in the following equation.

\[ 16 * 4 \times 5 * 14 + 6 \]

(A) \(-\times+)\]
(B) \(+\times-
(C) \(+\times+)
(D) \(-\times-

50. Bee-sting leaves an acid which causes pain and irritation. Use of a mild base like _______ on the stung area gives relief.

(A) Baking soda
(B) Lemon juice
(C) Milk of magnesia
(D) Vinegar

51. Chhachhrauli is known as _______ of Haryana.

(A) New York
(B) Cherrapunji
(C) Texas
(D) Agra

46. हरियाणा सरकार की प्राण वायु देवता पेंशन योजना (पी दी दी पी एस) के बारे में निम्नलिखित कथनों पर विचार करें।

I. यह उन सभी पेड़ों को सम्मानित करने की एक पहल है, जो 75 वर्ष और उससे अधिक आयु के हैं और ऑक्सीजन का उत्पादन करके, प्रदूषण कम करके, छाया प्रदान करके जीवन भर मानवता की सेवा की है।

II. ऐसे वृक्षों की पूरी राष्ट्र में पहचान की जाएगी और स्थानीय लोगों को शामिल करके इनकी रेखांकन की जाएगी।

निम्नलिखित में से सही विकल्प चुनिए।

(A) केवल कथन I सही है
(B) I और II दोनों कथन सही हैं
(C) केवल कथन II सही है
(D) I और II दोनों कथन गलत हैं

47. 1984 लोकसभा चुनावों में कांग्रेस दल द्वारा जीती गई कुल सीटें थीं

(A) 435
(B) 453
(C) 451
(D) 415

48. मानव फेफड़ों का कौन-सा भाग गैसों के विनिमय के लिए पृथ्वी उत्पन्न करता है?

(A) एलवॉली
(B) दीफ्राग्म
(C) ब्रोन्चिल
(D) ब्रोन्चियोलस

49. निम्नलिखित समीकरण में * के स्थान पर गणित के सही चिह्नों को प्रतिस्थापित कीजिए।

\[ 16 * 4 \times 5 * 14 + 6 \]

(A) \(-\times+)\]
(B) \(+\times-
(C) \(+\times+)
(D) \(-\times-

50. बी-स्टिंग लिए एक अच्छा छोटा जाता है जिससे दर्द और असरहोटा होता है। कैसे एक मुद्र शार्ट का उपयोग करेंगे दर्द पर आपत्ति लेता है?

(A) बेरिकिया सोडा
(B) नींबू का रस
(C) दैनिकृतिक का घुम
(D) सिस्का

51. छाँटी की हरियाणा का कहते हैं?

(A) न्यूयॉर्क
(B) चेन्नई
(C) टेक्सास
(D) आगरा
52. If ACNE is coded as 3, 7, 29, 11, then BOIL will be coded as
(A) 5, 31, 19, 25   (B) 5, 29, 19, 25
(C) 5, 31, 21, 25   (D) 5, 29, 19, 27

53. In this year the campaign of Beti Bachao-Beti Padhao was started in Haryana
(A) 2014   (B) 2013
(C) 2015   (D) 2019

54. How many days will be there from 26th January, 1988 to 15th May, 1988 (both days included)?
(A) 110   (B) 112
(C) 111   (D) 113

55. The First Ancient Olympic games were held in
(A) 776 CE   (B) 1992 CE
(C) 776 BCE  (D) 1972 CE

56. Haryana State Police shall have
(A) State Crime Investigation Wing
(B) Both (A) and (C)
(C) State Intelligence Wing
(D) None of these

57. Choose the odd one out.
(A) Lion   (B) Tiger
(C) Zebra  (D) Cow

58. “Chewing-gum fits” is a symptom of
(A) Rabies
(B) Parvo Viral Enteritis
(C) Canine Distemper
(D) None of the above

59. ________ is a set of rules that govern the communication between computers on a network.
(A) A synchronization
(C) A handshake
(D) A protocol

60. The light enters the eye through a thin membrane structure, this is called
(A) Cornea
(B) Optic nerve
(C) Iris
(D) Retina

52. यदि ACNE का कोड 3, 7, 29, 11, तो BOIL का कोड होगा
(A) 5, 31, 19, 25   (B) 5, 29, 19, 25
(C) 5, 31, 21, 25   (D) 5, 29, 19, 27

53. इस वर्ष हरियाणा में बेटी बचाओ-बेटी पढ़ाओ अभियान शुरू हुआ
(A) 2014   (B) 2013
(C) 2015   (D) 2019

54. 26 जनवरी 1988 से 15 मई 1988 (दोनों दिन शामिल करके) तक दिनों की संख्या कितनी होगी?
(A) 110   (B) 112
(C) 111   (D) 113

55. प्रथम प्राचीन ओलम्पिक खेल कब आयोजित किए गए थे?
(A) ईसा 776   (B) ईसा 1992
(C) ईसा 776 BCE   (D) ईसा 1972

56. हरियाणा राज्य पुलिस में हैं
(A) राज्य अपराध जांच विभाग
(B) (A) और (C) दोनों
(C) राज्य आसुरण विभाग
(D) इनमें से कोई नहीं

57. सर्वथा भिन्न बच्चे चुनिए।
(A) मीठा   (B) गाया
(C) जैत्रा  (D) गाया

58. ‘चूँग़ा-गाम फिटनस’ का एक लक्षण है
(A) रेबियार
(B) पावर वाइल्ड एंटरटेनिंग
(C) कैनाइन डिस्टेम्पर
(D) उक्त में से कोई नहीं

59. ________ नियमों का एक समूह है जो किसी नेटवर्क में कंप्यूटरों के बीच संचार को नियंत्रित करता है।
(A) सिफ्टद्रा डेटेशन   (B) प्रोटोकॉल
(C) हैरोकॉड   (D) पोटेंट

60. प्रकाश एक पतली पतल ताज़ी संरचना के माध्यम से आक्षेप में प्रविष्ट करता है उसे ______ कहते हैं।
(A) कांग्रस   (B) ऐल्ट्रिक तंत्रिका
(C) आईस्टर   (D) ऐस्ट्रो
61. In a spreadsheet, everything is stored in little boxes called
(A) Columns  (B) Cells  (C) Rows  (D) Banner

62. The SI unit of resistivity is
(A) Per ohm per meter  (B) Ohm  (C) Ohm meter  (D) Ohm per meter

63. Ecology is related to environment in the same way as Histology is related to
(A) History  (B) Tissues  (C) Fossils  (D) Hormones

64. 'Sewa Suraksha Sahyog' is the motto of
(A) Maharashtra  (B) Gujarat  (C) Haryana  (D) Jharkhand

65. If $p > q$ and $r < 0$, then which of the following is true?
(A) $p - r < q - r$  (B) $p > q$  (C) $pr < qr$  (D) none of these

66. Which of the following States has become kerosene free State based on the recent Report of Parliamentary Committee on petroleum?
(A) Haryana  (B) Both (A) and (C)  (C) Punjab  (D) None of the above

67. What is the main objective of the anti-Covid “Sanjeevani Pariyojana” of the Haryana Government?
(A) To provide for supervised and quick medical care at home largely for people in rural areas with mild to moderate symptoms of Covid-19 disease
(B) To provide free Covid-19 vaccination to the people residing both rural and urban areas of the State
(C) To provide free Covid-19 vaccination to the people residing only in rural areas of the State
(D) None of the above

68. How many total number of seats are there in Haryana Legislative Assembly (Vidhan Sabha)?
(A) 77  (B) 90  (C) 94  (D) None of the above

69. हरियाणा की विधान सभा में कुल कितनी सीटें हैं?
(A) 77  (B) 90  (C) 94  (D) उत्तर में से कोई नहीं
69. The price of sugar is increased by 25%. If a family wants to keep its expenses on sugar unaltered, then the family will have to reduce the consumption of sugar by
(A) 21%  (B) 22%  (C) 23%  (D) 20%

70. A is B's sister. C is B's mother. D is C's father. E is D's mother, then how is A related to D?
(A) Grandmother  (B) Grand-daughter  (C) Grandfather  (D) Daughter

71. Full form of BPRD is
(A) Bureau of Police Research and Development  
(B) Batch of Police Research and Development  
(C) Board of Police Research and Development  
(D) None of the above

72. A projectile having initial kinetic energy 60 J is projected at an angle of 45° with the horizontal. What is the kinetic energy of the projectile at the highest point of its trajectory?
(A) 60 J  (B) 30 J  (C) 45 J  (D) 15 J

73. Young rabbit which has attained the marketable weight is known as
(A) Fryer  (B) Pelt  (C) Fur  (D) Kit

74. Memory used by your PC's video system is known as
(A) Flash Memory  (B) Cache Memory  
(C) Virtual Memory  (D) Video Memory

75. The sum of the place values of 3 in the number 503535 is
(A) 60  (B) 6  
(C) 3030  (D) 3300

76. Choose pair of numbers which comes next.
2, 44, 4, 41, 6, 38, 8,
(A) 35, 10  (B) 34, 9  
(C) 10, 12  (D) 35, 32
77. Shri Tarlochan Singh awarded Padma Bhushan - 2021 in the field of
   (A) Civil Service  (B) Medicine
   (C) Public Affairs  (D) None of the above

78. Priya goes 30 km towards North from a fixed point, then after turning to her right she goes 15 km. After this she goes 30 km after turning to her right.
   How far and in what direction is she now from her starting point?
   (A) 15 m East  (B) 20 m East
   (C) 10 m East  (D) 30 m East

79. ______ is any kind of unwanted software that is installed without your adequate consent.
   (A) Malware  (B) Utility software
   (C) Firmware  (D) Spam

80. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.
   (A) 3 hrs  (B) 4 hrs
   (C) 2 hrs  (D) 5 hrs

81. Which district of Haryana is known as the 'hub of making durries'?
   (A) Panipat  (B) Bhilwani
   (C) Gurugram  (D) Hisar

82. Choose the alternative which resembles the mirror image of the given combination.
   GEOGRAPHY
   (A) YHPAROOGED  (B) YHPAORGEOED
   (C) YHPAORDGOED  (D) YHPAROEOGD

83. Nili-Ravi is a breed of
   (A) Cow  (B) Goat
   (C) Water Buffalo  (D) None of the above

84. As per Transport of Animal Rules - 1978, the maximum distance allowed for cattle in a day while transport on foot shall be
   (A) 20 km  (B) 45 km
   (C) 30 km  (D) 40 km
85. Muhammad Ghori defeated _______ in the second battle of Taraori.
(A) Ibrahim Lodhi
(B) Akbar
(C) Babur
(D) Prithviraj Chauhan

86. Select the odd word from the given alternatives.
(A) Flower
(B) Tree
(C) Herb
(D) Shrub

87. Anas platyrhynchos is commonly known as
(A) Chicken
(B) Duck
(C) Turkey
(D) Quail

88. The most distinctive feature of Harappan cities is
(A) Carefully planned roads
(B) Carefully planned drainage system
(C) Planned buildings
(D) Carefully planned agriculture

89. If the day before yesterday was Thursday, when will Sunday be?
(A) Today
(B) Day after tomorrow
(C) Tomorrow
(D) 3 days after today

90. Habeas corpus means
(A) What is the authority to continue in the office
(B) Produce the body before the Court
(C) Perform public duty
(D) Stall the proceedings

91. Modulus of elasticity has the dimensions same as that of
(A) Power
(B) Pressure
(C) Energy
(D) Torque

92. Haryana Police is headed by
(A) Home Minister
(B) Education Minister
(C) External Affair Minister
(D) Health and Welfare Minister

93. The LCM of two numbers is 48. The numbers are in the ratio of 2 : 3. Find the sum of the numbers.
(A) 64
(B) 40
(C) 28
(D) 32
94. Who among the following is the second woman to be India's External Affairs Minister?
(A) Sushma Swaraj  (B) Manushi Chillar  
(C) Indira Gandhi  (D) Geetha Phogat

95. Which of the following statements are true about the functions of Election Commission of India?
I. It supervises the preparation of up-to-date voters' list.
II. It prepares the Election schedule.
III. It gives recognition to political parties.
IV. It can postpone or cancel the election in the entire country.
(A) I, II and IV only  
(B) II and III only  
(C) I, II and III only  
(D) All the above

96. _______ was the first Indian woman to win a medal in Paralympic games.
(A) Sarojini Gupta  (B) Deepa Phogat  
(C) Saina Nehwal  (D) Deepa Malik

97. Choose the best alternative.
3 : 11 :: 7 ? 12
(A) 29  
(B) 18  
(C) 51  
(D) 22

98. Excessive irrigation with dry climatic regions (Punjab and Haryana) leads to the deposition of salt on the top layer of the soil. In such cases farmers are advised to add which of the following minerals to solve the problem of salinity in the soil?
(A) Corundum  (B) Calcite  
(C) Gypsum  (D) None of the above

99. Haryana Armed Police has battalions at
(A) Rohtak  (B) Sonipat  
(C) Ambala  (D) Bhiwani

100. _______ states that at constant volume, pressure of a fixed amount of gas varies directly with the temperature.
(A) Charles' law  (B) Boyle's law  
(C) Avogadro law  (D) Gay Lussac's law