1. Find the missing letters in the series ABC, FGH, LMN, ?.
   (A) IJK (B) OPQ (C) STU (D) RST

2. Only temple dedicated to Ekalavnya is situated in
   (A) Khandsa (B) Yamuna Nagar (C) Baharpur (D) Sohna

3. Predict the output "sum" in the following program.
   ```python
   sum = 0
   for i in range(1, 11, 2):
       sum += i
   print("sum=", sum)
   ```
   (A) 11 (B) 22 (C) 24 (D) 25

4. Total number of gold medals bagged by India in the recently held Commonwealth Games is
   (A) 25 (B) 26 (C) 27 (D) 23

5. Karthik cultural fest in Gurgaon aims at promoting
   (A) Agricultural harvesting (B) Martial arts and folk arts
   (C) Happiness of husband (D) None of the above

6. The leading producer of Manganese in India
   (A) West Bengal (B) Jharkhand (C) Odissa (D) None of the above

7. In Python, operators with same precedence are evaluated
   (A) Right to left (B) Left to right
   (C) Both (A) and (B) (D) Cannot be determined
8. BRICS stands for
(A) Brazil, Russia, India, China, South Africa
(B) Brazil, Russia, India, Canada, South Africa
(C) Brazil, Russia, India, China, Switzerland
(D) Brazil, Russia, Italy, China, South Africa

9. A convex lens of focal length 20 cm is placed co-axially with a convex mirror of radius of curvature 20 cm. The two are kept 15 cm apart from each other. A point object is placed 60 cm in front of the convex lens. The position of the image formed by the combination is
(A) 60 cm  (B) 40 cm  (C) 30 cm  (D) 10 cm

10. The mean deviation of the data 3, 10, 10, 4, 7, 10, 5 from the mean is
(A) $\sqrt{2}$  (B) 2.57  (C) 3  (D) 3.75

11. Which of the following is not an award presented by Haryana Sanskrit Academy?
(A) Maharishi Valmiki Samman
(B) Mahakavi Baanbhatt Samman
(C) Maharishi Vedvyas Samman
(D) Mahakavi Kalidas Samman

12. A and B are married couples. X and Y are brothers. X is the brother of A. How Y is related to B?
(A) Brother  (B) Brother-in-law
(C) Son  (D) Son-in-law

13. There are four bus routes between A and B, three bus routes between B and C. A man can travel round trip in the number of ways by bus from A to C via B. If he does not want to use a bus route more than once, in how many ways can he make round trip?
(A) 72  (B) 144  (C) 14  (D) 19

14. Which of the following districts of Haryana is richest in mineral resources?
(A) Fatehgarh  (B) Mahendragarh
(C) Hisar  (D) Ambala
15. Consider the 1929 Lahore Congress Session. It was presided over by Jawaharlal Nehru. It declared 'Purna Swaraj' or complete independence. Decided to celebrate Jan. 26th 1930 as Independence Day. Gandhiji gave call for Do or Die.

Identify the correct statements.
(A) 1 and 2 only
(B) 3 and 4 only
(C) 1, 2 and 3 only
(D) 1, 2 and 4 only

16. A galvanometer has a resistance of 30 \( \Omega \) and a current of 2 mA gives full scale deflection. How will you convert this galvanometer into a voltmeter of 0.2 V range?
(A) 700 \( \Omega \) resistance should be connected parallel to the galvanometer
(B) 70 \( \Omega \) resistance should be connected parallel to the galvanometer
(C) 700 \( \Omega \) resistance should be connected in series to the galvanometer
(D) 70 \( \Omega \) resistance should be connected in series to the galvanometer

17. \( 7^n - 2^n \), \( n \in N \) is divisible by
(A) 7
(B) 2
(C) 5
(D) None of these

18. The baking quality of wheat is attributed to
(A) Glutenin
(B) Gluten
(C) Glutenic acid
(D) None of these

19. A magistrate has the power to direct the police to investigate into
(A) a non-cognizable offence
(B) a cognizable offence
(C) only a non-cognizable offence as in a cognizable offence the police is under a duty to investigate
(D) both (A) and (B)

20. 1929 लाहौर कॉन्ग्रेस सत्र के बारे में निम्नलिखित कथन पर विचार करें।
1. इसकी अध्यक्षता जवाहरलाल नेहरु द्वारा की गई।
2. इसने पूर्ण स्वराज या पूर्ण स्वतंत्रता की घोषणा की।
3. इसने 26 जनवरी 1930 को स्वतंत्रता दिवस के रूप में मनाने का निर्णय लिया।
4. गांधीजी ने कहा या मरे के लिए आत्मसमर्पण किया।
सही कथन चुनिए।
(A) 1 और 2 केवल
(B) 3 और 4 केवल
(C) 1, 2 और 3 केवल
(D) 1, 2 और 4 केवल

21. 30 \( \Omega \) प्रतिरोध और 2 mA विद्युत का एक गैल्वनोमीटर पूर्ण पैमाना चिह्नित देता है। अपने इसे एक 0.2 V तोरणी के एक वोल्टमीटर में कैसे रुपांतरित करें?
(A) 700 \( \Omega \) प्रतिरोध गैल्वनोमीटर से समांतर में जोड़ा जाना चाहिए।
(B) 70 \( \Omega \) प्रतिरोध गैल्वनोमीटर से समांतर में जोड़ा जाना चाहिए।
(C) 70 \( \Omega \) प्रतिरोध गैल्वनोमीटर से श्रृंखला में जोड़ा जाना चाहिए।
(D) 70 \( \Omega \) प्रतिरोध गैल्वनोमीटर से श्रृंखला में जोड़ा जाना चाहिए।

22. यदि \( 7^n - 2^n \), \( n \in N \) है तो विभाज्य है?
(A) 7
(B) 2
(C) 5
(D) इनमें से कोई नहीं

23. गेहू की बेकरी स्वाद के कारण होता है?
(A) ग्लुटेनिन
(B) ग्ल्युटेन
(C) ग्ल्युटेनिक एम्ल
(D) इनमें से कोई नहीं

24. एक मजिस्ट्रेट के पास पुलिस को कौन की जांच का निदेश देने की योग्यता है?
(A) एक गैर-सजिला अपराध
(B) एक सजिला अपराध
(C) केवल एक गैर सजिला अपराध, क्योंकि एक सजिला अपराध में पुलिस जांच की इंतर्स्टी नहीं होती है।
(D) (A) और (B) दोनों
20. Which one of the following is not an Internet Service Provider (ISP) in India?
(A) VSNL
(B) BSNL
(C) ERNET India

21. Which one of the following is not an Internet Service Provider (ISP) in India?
(A) VSNL
(B) BSNL
(C) ERNET India

22. Which of the following is not an Internet Service Provider (ISP) in India?
(A) VSNL
(B) BSNL
(C) ERNET India
(D) Infotel Indiа Limited

23. Right to Information Act (RTI) was enacted in the year of
(A) 2003
(B) 2004
(C) 2005
(D) 2006

24. Bagelena is
(A) CuFeS₂
(B) PbS
(C) ZnS
(D) CaSO₄

25. Who among the following have been awarded by Param Veera Chakra for his service during Indo-Pakistani war of 1971?
(A) Hoshiyar Singh Dahiya
(B) Karam Singh
(C) Vikram Batra
(D) Yogendra Singh Yadav

26. Bansilal, one of the longest serving Chief Ministers of Haryana was a union ______ Minister during 1975-77.
(A) Home
(B) Finance
(C) Defence
(D) Law
27. Rock Garden of Chandigarh was founded by
(A) Nek Chand Saini
(B) Albert Mayer
(C) Maciej Nowicki
(D) None of the above

28. Malt extracts of which crop are used as supplements in energy rich drinks like boost, bournvita, horlicks...?
(A) Wheat
(B) Oats
(C) Barley
(D) Triticale

29. _______ was the longest serving Governor of Haryana.
(A) Dharma Vira
(B) Birendra Narayan Chakraborty
(C) Ranjit Singh Narula
(D) Jaiisukh Lal Hathi

30. The first Non-Aligned Summit was held at
(A) Belgrade
(B) New York
(C) Delhi
(D) Bangalore

31. Which of the following electromagnetic spectrum is the chief cause of skin burning, tanning, cancer, etc?
(A) UV-A rays
(B) UV-B rays
(C) UV-C rays
(D) None of the above

32. Following is not a layer of uterus
(A) Endometrium
(B) Myometrium
(C) Perimetrium
(D) Ectometrium

33. The number of bacteria in a certain culture doubles every hour. If there were 30 bacteria present in the culture originally, how many will be present at the end of 4th hour?
(A) 120
(B) 240
(C) 480
(D) None of these

34. Value of \(\left(\sqrt{2}+1\right)^6 + \left(\sqrt{2}-1\right)^6\) is
(A) 198\(\sqrt{2}\)
(B) 3024
(C) 3024
(D) 200

28. "Rock Garden of Chandigarh was founded by _______."

29. "Malt extracts of which crop are used as supplements in energy rich drinks like boost, bournvita, horlicks...?"

30. "The first Non-Aligned Summit was held at _______."

31. "Which of the following electromagnetic spectrum is the chief cause of skin burning, tanning, cancer, etc?"

32. "Following is not a layer of uterus _______."

33. "The number of bacteria in a certain culture doubles every hour. If there were 30 bacteria present in the culture originally, how many will be present at the end of 4th hour?"

34. "Value of \(\left(\sqrt{2}+1\right)^6 + \left(\sqrt{2}-1\right)^6\) is _______."
35. Investigation of an offence is conducted by
(A) Judicial magistrate
(B) Executive magistrate
(C) Police officer
(D) Both (A) and (C)

36. Identify the IP address from the following.
(A) 300–215–317–3
(B) 302–215@417–5
(C) 202.50.20.148
(D) 202–50–20–148

37. Which of the following personality is said to be the father of folk theatre in Haryana?
(A) Ali Baksh
(B) Lakhmi Chand
(C) Daya Chand
(D) Mukesh Yadav

38. What is the cause of Greenhouse effect?
(A) IR rays
(B) Microwaves
(C) X-rays
(D) Radiowaves

39. Find out the missing number in the sequence -1, 0, 1, 8, 27, ?.
(A) 24
(B) 44
(C) 60
(D) 64

40. If |x - 2| ≤ 5 then x lies in the interval
(A) [-7, 3]
(B) [-3, 7]
(C) [3, 7]
(D) [-7, -3]

41. Among the total foodgrain production, which of the following crops ranks first in Haryana?
(A) Rice
(B) Wheat
(C) Maize
(D) Pulses

42. After successfully setting up two fully developed food parks in Haryana, State Industrial and Infrastructure Development Corporation (HSIIDC) is developing another mega food park at
(A) Rai
(B) Saha
(C) Barhi
(D) None of the above
43. ______ is the state animal of Haryana.
   (A) Elephant
   (B) Blackbuck
   (C) Indian bison / Gaur
   (D) Asiatic lion

44. A symptom of acute chest pain appears when no enough oxygen is reaching the heart muscle is
   (A) Angina pectoris
   (B) Atherosclerosis
   (C) Heart failure
   (D) Hypertension

45. Two dice are thrown together. Let A be the event of 'getting 6 on the first die' and B be the event of 'getting 2 on the second die'.
   The value of \( P(A \cap B) \) is
   (A) \( \frac{1}{18} \)
   (B) \( \frac{1}{36} \)
   (C) \( \frac{1}{6} \)
   (D) None of these

46. The number of ways of choosing 4 cards from a pack of 52 playing cards such that four cards belong to the same suit is
   (A) 2860
   (B) 2086
   (C) 2680
   (D) None of these

47. Assembly House of Haryana is at
   (A) Rohtak
   (B) Panipat
   (C) Ambala
   (D) Chandigarh

48. Which set of letters when sequentially placed at the gaps in the letter series MONPM_QNPMO_PMON_ will complete it?
   (A) PNOM
   (B) NMPO
   (C) ONPM
   (D) MONP

49. In a group of 65 people, 40 like cricket, 10 like both cricket and tennis. The number of people who like tennis only and not cricket is
   (A) 35
   (B) 25
   (C) 40
   (D) 15
51. Which among the following statement about SAARC is wrong?
   (A) SAARC members signed to a treaty called SAFTA
   (B) Its first Summit was held at Bangalore
   (C) Its Headquarter is located in Katmandu of Nepal
   (D) SAARC was established in 1985

52. ‘Pidi’ refers to
   (A) Terracotta  (B) Wood Carving
   (C) Footstool Craft  (D) Metal Carving

53. If ‘HEATER’ is written as ‘KBDQHO’. How ‘COOLER’ can be coded?
   (A) FLRIHO  (B) ALRIHV
   (C) FRLIHO  (D) FLIRHO

54. The movement of colloidal particles under an applied electric potential is called
   (A) Brownian Movement  (B) Tyndal Effect
   (C) Diffusion  (D) Electrophoresis

55. Which of the following is a supersonic missile?
   (A) Trishul  (B) Akash
   (C) Prithvi  (D) BrahMos

56. Haryana Police and the Department of Women and Child Development have launched a campaign _____ to trace and rescue the missing children of state.
   (A) Operation Children
   (B) Operation Beti Bachao
   (C) Operation Muskan
   (D) None of the above

57. Select the physiological barrier of innate immunity from the following.
   (A) Skin on our body
   (B) Acid in stomach
   (C) Monocytes
   (D) Interferons
58. A process of converting data from one type to another is called
(A) type casting
(B) automatic type conversion
(C) data overloading
(D) exception handling

59. Which of the following is not a high level programming language?
(A) COBOL
(B) Pascal
(C) Assembly language
(D) FORTRAN

60. International Yoga Day is celebrated on
(A) 20th July
(B) 21st July
(C) 22nd July
(D) 21st June

61. If 'A' means 'x', 'B' means '÷', 'C' means '+' and 'D' means '-', then
21 C 3 D 6 A 8 B 2 =
(A) 72
(B) 0
(C) 48
(D) None of these

62. The mean deviation about the mean for the data 6, 7, 10, 12, 13, 4, 8, 12 is
(A) 3
(B) 9
(C) 2.75
(D) 3.25

63. Horse is a
(A) Ruminant hoofed
(B) Non-ruminant hoofed
(C) Even toed hoofed
(D) Odd number toed hoofed

64. ___ is the present Advocate General of Haryana.
(A) Baldev Raj Mahajan
(B) Nawal Kishore Agarwal
(C) Ashok Agarwal
(D) Surya Kant

65. Which of the following is correct?
(A) \( \sin \theta = -5 \)
(B) \( \cos \theta = 1 \)
(C) \( \sec \theta = \frac{1}{2} \)
(D) \( \cos \alpha \theta = 0 \)
66. The low salinity of water is observed in Bay of Bengal due to
(A) High evaporation
(B) Hydration
(C) Precipitation
(D) Influx of river water

67. Recently, this country has requested Haryana Government to celebrate Geeta Jayanti Mahotsav in their country
(A) Malaysia
(B) Bali
(C) Pakistan
(D) Mauritius

68. Select the pair in which the numbers are similarly related to the pair 7 : 24.
(A) 30 : 100
(B) 23 : 72
(C) 19 : 58
(D) 11 : 43

69. A charge is framed by
(A) The court
(B) The police
(C) The prosecution
(D) All the above
74. Which one of the following is not a search engine?
(A) Google
(B) Yahoo
(C) Ask
(D) Bing

75. The amendment of the Indian Constitution which reduced the voting age from 21 to 18 years is
(A) 1951
(B) 1962
(C) 1971
(D) 1989

76. The first battle of Panipat was fought between
(A) Akbar and Rana Pratap
(B) Ibrahim Lodhi and Akbar
(C) Ibrahim Lodhi and Babar
(D) Akbar and Shershah Suri

77. Select the word which is least like other words in the group.
(A) Cow
(B) Deer
(C) Donkey
(D) Goat

78. The first woman in the world to climb Mt. Everest twice is
(A) Bachendri Pal
(B) Santosh Yadav
(C) Premlata Agarwal
(D) Arati Saha

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(D) Arati Saha

83. The amendment of the Indian Constitution which reduced the voting age from 21 to 18 years is
(A) 1951
(B) 1962
(C) 1971
(D) 1989
82. Present Chief Minister of Arunachal Pradesh is nabam tuki.
   (A) Nabam Tuki
   (B) Pema Khandu
   (C) Dorjee Khandu
   (D) None of the above

83. Haryana Sanskrit Gaurav Samman for the year 2016 has been awarded to which of the following Sanskrit writer?
   (A) Prof. Shrikrishna Sharma
   (B) Acharya Mahavir Prasad Sharma
   (C) Prof. Rajeshwar Prasad Mishr
   (D) Pandit Sitaram Shastri Acharya

84. Class which contains only pure virtual function is called
   (A) base class
   (B) derived class
   (C) abstract class
   (D) inherited class

85. If \( P(A) = \frac{4}{5} \) and \( P(A \cap B) = \frac{7}{10} \) then
   \( P(B/A) = \)
   (A) \( \frac{1}{10} \)
   (B) \( \frac{1}{8} \)
   (C) \( \frac{7}{8} \)
   (D) \( \frac{17}{20} \)

86. Which of the following is not a keyword in python?
   (A) Try
   (B) Except
   (C) Throw
   (D) Pass

87. The code name used to launch an invasion on Iraq by USA in 2003 was
   (A) Operation All Clear
   (B) Operation Iraqi Freedom
   (C) Liberation of Iraq
   (D) Operation enduring freedom of Iraq

88. Ekuverin, a bilateral military exercise recently held in Belagavi, was between
   (A) Sri Lanka
   (B) Maldives
   (C) Nepal
   (D) Singapore
Select the correct indirect speech for the following:

89. He said “Be quiet and listen to my words”.
   (A) He urged them to be quiet and listen to his words
   (B) He urged them if they sit quiet and listen to his words
   (C) He said to them to be quiet and listen to his words
   (D) He told them to quiet and listen to his words

90. The master says “Have you seen the map?”
   (A) The master inquires if he has seen the map
   (B) The master inquires if he saw the map
   (C) The master said had he seen the map
   (D) The master asked had he seen the map

Complete the sentences selecting correct option:

91. We are so late
   (A) we couldn’t catch the train
   (B) that we cannot catch the train
   (C) to catch the train
   (D) that we could catch the train

92. As soon as the speech started
   (A) then the demonstrators rushed to the platform
   (B) when the demonstrators rushed to the platform
   (C) than the demonstrators rushed to the platform
   (D) the demonstrators rushed to the platform

Fill in the blanks with appropriate from the given options:

93. He ______ two wickets before play was interrupted by the rain.
   (A) has taken  (B) taken  (C) had taken  (D) took

94. Benny had finished cooking when the visitors ______.
   (A) entered  (B) had entered  (C) entering  (D) were entering