REASONING

1. In a code TIGER is written as SHFDQ, how shall HORSE be written in that code?
(A) GNRQD   (B) GNQRD
(C) GRNQD   (D) GMQRD

2. In a certain coded language, 'hit ka tom' is written as 'tie the shoes', 'ka lo fod' is written as 'shoes of leather' and 'lo tin lot' is written as 'leather and raxin'. How is 'of' written in this code language?
(A) fod   (B) ka
(C) lo or fod   (D) tin

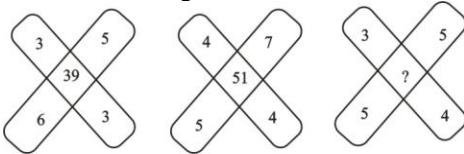**3.** Find the missing letters from the given responses.
AGM, BHN, CIO, ?
(A) COU   (B) FQK
(C) DJP   (D) QXD

4. Find the missing number/letters/ figure from the given responses.
5, 7, 11, ?, 35, 67
(A) 23   (B) 28
(C) 30   (D) 19

5. Find the missing number.

(A) 35   (B) 37
(C) 45   (D) 47

6. 'A' man starts from a point and walks 2km towards North, turns towards his right and walks 2km, turns right again and walks. What is the direction now he is facing ?
(A) South   (B) South-East
(C) North   (D) West

7. If Z = 26, NET = 39, then NUT = ?
(A) 50   (B) 53
(C) 55   (D) 56

8. Among five children A, B, C, D and E, B is taller than E but shorter than A. A is shorter than C but taller than D who is taller than B. If all the children stand in a line according to their heights, who would be fourth if counted from the tallest one?
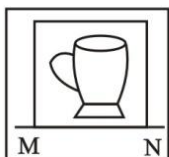(A) A   (B) E
(C) D   (D) B

9. Select the one which is different from the other three responses.
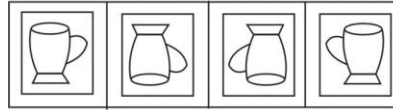(A) Wool   (B) Feather
(C) Hair   (D) Grass

10. Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at MN?
Questions Figure :

Answer Figure

(a)   (b)   (c)   (d)

DIRECTION (11-13):- Study the information and answer the following questions.
Eight persons A, B, C, D, E, F, G, and H are sitting in a row facing north. No two persons are sitting adjacent to each other according to the English alphabet (i.e. A is not next to B, B is not next to A and C and so on). A sits at one of the ends. Three persons sit between A and C, who is immediate left to F. Four persons sit between E and D, none of them sits at any end. No one sits between B and G.

11. Who among the following sit immediate right to G?
(A) A   (B) F
(C) C   (D) B

12. How many persons sit between A and E?
(A) none   (B) one
(C) two   (D) three

13. Four of the following five are alike and form a group, who among the following does not belongs to that group?
(A) H   (B) F
(C) C   (D) B

DIRECTION (14-15):- In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

14. Statements:
All truck is car.
Some truck is road
All road is cycle.
Conclusions:
I. Some road being car is a possibility
II. Some cycle is car.
(A) Both I and II follow
(B) Either I or II follows
(C) Only II follows.
(D) Only I follows.

15. Statements:
All white are red
All red are blue
Some black are red
Conclusions:
I. Some black is blue.
II. Some red are not white.
(A) Both I and II follow   (B) Either I or II follows
(C) Only II follows.   (D) Only I follows.

16. Select the related letters from the given alternatives.
ACEG : IKMO :: QSUW : ?
(A) XBDF   (B) MOQS
(C) YACE   (D) BDFH

17. Select the related number from the given alternatives.
7584 : 5362 : : 4673 : ?

(A) 2367   (B) 2451
(C) 2531   (D) 2485

18. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

w __ x w __ x __a x __ a __ wa __.

(A) axawxa   (B) aawaxx
(C) aawwxx   (D) waawxx

19. Which one of the given responses would be a meaningful order of the following words?
1. Wall
2. Clay
3. House
4. Room
5. Bricks

(A) 5, 2, 1, 4, 3   (B) 2, 5, 4, 1, 3
(C) 2, 5, 1, 4, 3   (D) 1, 2, 3, 4, 5

20. (I) F is the brother of A,
(II) C is the daughter of A,
(III) K is the sister of F,
(IV) G is the brother of C.
Who is uncle of G?

(A) A   (B) C
(C) K   (D) F

Direction (21-25):- Study the following information carefully and answer the questions given below.

In a six - floor building the ground floor is numbered one, the floor above it is numbered two and so on such that the topmost floor is numbered six. One out of six people viz. Aditi, Reema, Mayank, Trisha, David and Gaurav lives on each floor. No one lives between Mayank and Gaurav. There are two floors between the floors on which Aditi and Trisha live. Aditi lives on floor above the floor on which Trisha lives. David lives on odd numbered floor. Trisha does not live on ground floor. Reema does not live on a floor immediately above or below Trisha's floor?

21. Who lives on the floor immediately above on which David lives?

(A) Aditi   (B) Trisha
(C) Mayank   (D) Gaurav

22. How many people live between the floors on which Aditi and Reema lives?

(A) Four   (B) Three
(C) One   (D) No one

23. Which of the following is true with respect to the given information?

(A) Trisha lives on ground floor.
(B) Reema lives immediately above the floor on which Aditi lives.
(C) Aditi lives on the topmost floor.
(D) Two people live between Mayank and Gaurav.

24. Who among the following lives on floor number 3?

(A) Either Mayank or Gaurav   (B) Mayank
(C) David   (D) Gaurav

25. Which pair of persons lives on an odd numbered floor?

(A) Reema, Gaurav   (B) Mayank, Reema
(C) David, Trisha   (D) Aditi, David

QUANTS

26. If the arithmetic mean of two number is 5 and geometric mean is 4. Then the no. are -

(A) 4, 6   (B) 4, 7
(C) 3, 8   (D) 2, 8

27. Two pipes can fill a tank in 8 h and 12 h respectively whereas an escape pipe can empty it in 6 h. If the three pipes are opened at 1 pm, 2 pm and 3 pm respectively, at what time will the tank be filled ?

(A) 8 am   (B) 7 am
(C) 5 am   (D) 7.30 am

28. A boatman goes 2 km against the current in 1 hr and goes 1 km along the current in 10 min. How long will he take to go 5 km in stationary water?

(A) 1 hr 30 min   (B) 1 hr 15 min
(C) 1 hr   (D) 40 min

29. In a class with a certain number of students, if one new student weighing 50 kg is added, then the average weight of the class increased by 1 kg. If one more student weighing 50 kg is added, then the average weight of the class increases by 1.5 kg over the original average. What is the original average weight (in kg) of the class?

(A) 46   (B) 42
(C) 27   (D) 47

30. A student was asked to divide a number by 6 and add 12 to the quotient. He however, first added 12 to the number and then divided it by 6, getting 112 as the answer. The correct answer should have been

(A) 122   (B) 118
(C) 114   (D) 124

31. In a group of buffaloes and ducks, the number of legs are 24 more than twice the number of heads. What is the number of buffaloes in the group?

(A) 6   (B) 12
(C) 8   (D) None of these

32. A shopkeeper sold an article at a profit of 17.5%. If he had bought it at 8% less and sold it at 30% profit, he would have earned Rs 11.55 more as profit. Cost price of the article is

(A) Rs 550   (B) Rs 675
(C) Rs 750   (D) Rs 1475

33. The present population of a village is 5500. If the number of males increases by 11% and the number of females increases by 20%, then the population will becomes 6330. What is the percent population of females in the village?

(A) 3000   (B) 3500
(C) 2500   (D) 2000

34. One type of liquid contains 25% of milk, the other contains 30% of milk, A container is filled with 6 parts of the first liquid and 4 parts of the second liquid. The percentage of milk in the mixture is

(A) 27%   (B) 31%
(C) 29%   (D) 33%

35. If the graphs of the equations $3y-x = 6$ and $3x + 5y = 38$ intersect at a point, then the co-ordinates of the point will be –

(A) (3, 3)   (B) (2, –3)
(C) (4, 5)   (D) (6, 4)

36. Water has been poured into an empty rectangular tank at the rate of 8 cu ft/min for 2.5 min. The length of the tank is 3 ft and the width is one half of the length. How deep is the water in the tank?
(A) 4 ft   (B) 3.86 ft
(C) 3.23 ft   (D) 4.44 ft

37. A missile travels at 1350 km/h. How many metres does it travel in one second?
(A) 369 metres   (B) 375 metres
(C) 356 metres   (D) 337 metres

DIRECTION (38-40):- Simplify the following equations and find the value of (?) question mark?

38. $\sqrt{576} + 45\%$ of $120 = ? + 8.5\%$ of 200
(A) 67   (B) 71
(C) 74   (D) 61

39. $11\frac{3}{4} + 7\frac{6}{5} - 4\frac{7}{8} = ? + 14\frac{7}{10}$
(A) 3/8   (B) 9/10
(C) 3/5   (D) 5/8

40. $\sqrt{40\% \text{ of } (? + 10)} = \frac{200}{3}\%$ of 6
(A) 20   (B) 35
(C) 30   (D) 40

41. Sanjay invests an amount at rate of 10% SI for two years and earns an interest of Rs 4800, if he invests the same amount of money at same rate at CI for same time, then how much interest he will earn?
(A) Rs 5400   (B) Rs 4050
(C) Rs 4500   (D) Rs 5040

42. If the diameter of a sphere is 14 cm, then what is the surface area (in square cm) of the sphere?
(A) 616   (B) 308
(C) 462   (D) 636

43. While selling a shirt, a shopkeeper gives a discount of 7%. If he had given a discount of 9%, he would have got Rs 15 less as profit. The marked price of the shirt is -
(A) Rs 750   (B) Rs 720
(C) Rs 712.50   (D) Rs 600

DIRECTION (44-46):- Replace the question mark (?) with missing no. in the following series.

44. 567, 571, ? , 623, 687, 787
(A) 615   (B) 599
(C) 587   (D) 601

45. 999, 900, 820, 757, 709, ?
(A) 680   (B) 687
(C) 648   (D) 674

46. 128, 64, 96, 240, 840, ?
(A) 3780   (B) 3680
(C) 3024   (D) 3620

47. In a cylinder if radius is twice of it's height, find curved surface area of the cylinder is what percent of total surface area of the cylinder?
(A) 66.67%   (B) 37.5%
(C) 33.33%   (D) 62.5%

48. Two numbers A and B are in ratio 11 : 19, when 19 is added to A and 11 is added to B the ratio becomes 2 : 3, Find value of (20 + B)?
(A) 154   (B) 144
(C) 164   (D) 153

49. If cost of fencing wire is Rs. 13 per meter around a square field and total cost of fencing is Rs. 1872. Find Area of the square field?
(A) 1296 m²   (B) 676 m²
(C) 2116 m²   (D) 1156 m²

50. If a book is marked 40% above the cost price and sold at 12.5% discount. Find Ratio of discount given to profit earned?
(A) 9 : 7   (B) 5 : 4
(C) 4 : 5   (D) 7 : 9

GK

51. The bilateral naval exercise 'Konkan 18' has started between India and which country?
(A) Japan   (B) Mongolia
(C) Indonesia   (D) United Kingdom

52. Who has become the first Indian to climb Mt Giluwe in Papua New Guinea?
(A) Taka Tamut   (B) Sivangi Pathak
(C) Raj Singh Dharmshaktu (D) Satyarup Siddhanta

53. Who was the founder of Sunga dynasty?
(A) Pushyagupta   (B) Pushyamitra
(C) Pushparaja   (D) Pravarsena

54. Who of the following was the author of Meghadootam?
(A) Vishakhdatta   (B) Vishnusharma
(C) Kalidas   (D) Bhashkar

55. At the second Round Table Conference, the Indian National Congress was represented by_____
(A) Jawahar Lal Nehru
(B) Mohandas Karamchand Gandhi
(C) Rajendra Prasad
(D) Vallabh Bhai Patel

56. Monoculture is a distinct characteristic of -
(A) Commercial grain farming   (B) Shifting cultivation
(C) Subsistence farming   (D) Organic farming

57. The clouds of the highest altitude are
(A) Altocumulus   (B) Altostratus
(C) Cumulus   (D) Cirrostratus

58. The Black Mountains are located in
(A) Canada   (B) Norway
(C) Switzerland   (D) U.S.A.

59. Who has the power to prorogue the Lok Sabha?
(A) The Speaker
(B) The Prime Minister
(C) The Minister for Parliamentary Affairs
(D) The President

60. Who has the right to decide whether a Bill is a money bill or not?
(A) Speaker of Lok Sabha (B) Prime Minister
(C) President   (D) Finance Minister

61. On which date, the 2018 International Day for Tolerance was observed recently?
(A) November 17   (B) November 18
(C) November 16   (D) November 15

62. The nature of fuse wire is –
(A) Low melting point   (B) High melting point
(C) High conductivity   (D) None of these

63. Glaucoma is a disease of the –
(A) Skin   (B) Lungs
(C) Liver   (D) Eyes

64. India's first methanol-based alternative cooking fuel is to be established in which state?
(A) Tamil Nadu   (B) Arunachal Pradesh
(C) Himachal Pradesh   (D) Assam

65. Who has been sworn-in as the first female high court Chief Justice in Pakistan?
(A) Tahira Safdar   (B) Maria Hassan
(C) Tanya Sanyal   (D) Asifa Ulfah

66. The metal present in insulin is –
(A) Copper   (B) Iron
(C) Zinc   (D) Phosphorus

67. How many "Lok Sabha" Seats are in "Punjab"?
(A) 12   (B) 10
(C) 13   (D) 15

68. What is the total literacy rate of "Punjab"?
(A) 76.7%   (B) 78.5%
(C) 77.9%   (D) 75%

69. What is the power capacity of "Rajpura Thermal Power Plant"?
(A) 1600 Megawatt   (B) 1400 Megawatt
(C) 1000 Megawatt   (D) 1500 Megawatt

70. Who was the first Home Minister of Independent India
(A) Vallabbhai Patel   (B) Dr. S. Radhakrishnan
(C) Sardar Baldev Singh   (D) John Mathai

ENGLISH

DIRECTION (71-72):- In these questions, four alternatives are given for the idiom/phrase given in bold in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

71. His works seems to be a **Penelope's web**.
(A) declining   (B) in his best forms
(C) endless   (D) difficult

72. Suddenly **the balloon goes** up in the middle of the conversation.
(A) the situation turns unpleasant or serious
(B) a sudden shift in the topic of conversation
(C) the conversation takes a lighter note
(D) an abrupt silence takes place

73. Change the following sentence into past continuous tense
 I will be writing my exam this time tomorrow.
(A) I was writing my exam this time tomorrow.
(B) I was writing my exam this time yesterday.
(C) I had writing my exam this time yesterday.
(D) I had been writing my exam this time tomorrow.

DIRECTION (74-75):- In these questions, out of the four alternatives, choose the one which best expresses the meaning of the word given in bold.

74. Reel
(A) Waver   (B) Fish
(C) Mistake   (D) Hit

75. Reside
(A) Remain   (B) Home
(C) Dwell   (D) Sediment

DIRECTION (76-77):- In these questions, out of the four alternatives choose the word opposite in meaning to the word given in bold.

76. Impecunious
(A) Wealthy   (B) Cautious
(C) Hungry   (D) Tardy

77. Colossal
(A) Easy   (B) Tiny
(C) Graceful   (D) Roof

DIRECTION (78-79):- In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

78. To free anything from germs
(A) Sterilize   (B) Antiseptic
(C) Antibody   (D) Cauterize

79. Instrument that magnifies object
(A) Stethoscope   (B) Telescope
(C) Microscope   (D) Periscope

DIRECTION (80-81):- In these questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four alternatives.

80. We have talked a lot, now let us_____ to work.
(A) get down   (B) set off
(C) take off   (D) sit up

81. The examination will commence _____ next week.
(A) since   (B) from
(C) on   (D) with

DIRECTION (82-84):- In these questions, read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (D). (Ignore errors of Punctuation, if any)

82. At this time of the year the mountains are usually covered with ice.
(A) At this time of the year (B) the mountains are usually
(C) covered with ice   (D) no error

83. Every citizen is entitled to the voting.
(A) Every citizen   (B) is entitled to
(C) the voting   (D) no error

84. One must learn to distinguish good from bad.
(A) One must   (B) learn to distinguish
(C) good from bad   (D) no error

DIRECTION (85-86):- In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

85. Sunita said that she had never come across_____ book she liked so much.
(A) A
(B) An
(C) The
(D) No Determiner will be used

86. Her father died because they did not immediately call up _____ doctor.

(A) A
(B) An
(C) The
(D) No Determiner will be used

87. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best express the same sentence in Indirect/Direct speech.
"I'm off to the shopping. What are you doing?"
(A) He said he would be off to the shopping and wanted to know what I was doing.
(B) He said he was going off to the shopping and wanted to know what I was planning to do.
(C) He said he is going off to the shopping and asked me what I was planning to do.
(D) He said that he was off to the shopping and wanted to know what I was doing.

88. In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.
Prabhat was rolling the roller skates so fast that it slipped at the turn.
(A) Prabhat slipped at the turn as he was rolling the roller skates so fast.
(B) So fast was Prabhat rolling the roller skates that it slipped at the turn.
(C) The roller skates were being rolled by Prabhat so fast that it slipped at the turn.
(D) The roller skates slipped at the turn as Prabhat was rolling it so fast.

89. Translate the following into English language - "ਭਾਰਤ ਇਕ ਬਹੁ-ਸੱਭਿਆਚਾਰਕ ਦੇਸ਼ ਹੈ"
(A) India is an multicultural country.
(B) India is a multicultural country.
(C) India is a country of culture and diversity.
(D) Many cultures are found in India.

90. Improve the bracketed part of the sentence.
(No sooner I saw) the lizard than I ran away.
(A) As soon as I saw
(B) No sooner I had seen
(C) No sooner did I see
(D) no improvement

COMPUTER

91. Which among the following is software application commonly used to prepare a presentation/slide show?
(A) Adobe
(B) Power Point
(C) Outlook Express
(D) Internet Explorer

92. Which organization developed MS DOS ?
(A) Apple
(B) Microsoft
(C) Google
(D) IBM

93. What is the technology used to read pencil or pen marks on a multiple choice answer sheet called?
(A) OMR
(B) MICR
(C) OCR
(D) CPU

94. Two or more computers connected to each other for sharing information form a _____.

(A) Router
(B) Server
(C) Network
(D) Tunnel

95. What is the base or radix of the Hexadecimal number system?
(A) 2
(B) 8
(C) 10
(D) 16

96. What does a Bug mean?
(A) Logical error in a program
(B) Syntax error in a program
(C) Run time error
(D) Both (a) and (b)

97. Codes consisting of varying widths and spacing of parallel lines, which may be optically read, is known as _____.
(A) mnemonic
(B) Bar code
(C) Decoder
(D) All of the above

98. Internet Explorer and Safari are examples of _____.
(A) Web pages
(B) Web browsers
(C) Web servers
(D) Web sites

99. _____device is any hardware component that allows you to enter data and instructions into a computer.
(A) Interaction
(B) Input
(C) Communication
(D) Output

100. What types of devices are CDs are DVDs?
(A) Input
(B) Output
(C) Software
(D) Optical Storage