

Every **CORRECT** answer will add one mark
Every **WRONG** answer will deduct one mark

Full marks : 80

Give the collective nouns of the following noun.

19. Boy

- a) Puerile b) Giggle c) Crowd d) Fraternal

Spot the error

20. It is I (a) / who is to be blamed (b) / for the result. (c) / No error (d)

21. If, SUN is coded as MFH, MOON is coded as MLLN, then what will be the code for STAR?

- a) IZGH b) HGZI c) ZIHG d) GHIZ

22. Rahul walked 20 metres towards north. Then he turned right and walks 30 metres. Then he turns right and walks 35 metres. Then he turns left and walks 15 metres. Finally he turns left and walks 15 metres. In which direction and how many metres is he from the starting position?

- a) 15 metres West b) 30 metres East
c) 30 metres West d) 45 metres East

23. Complete the letter series.

c _ bba _ cab _ ac _ ab _ ac

- a) abebe b) acbcb c) babec d) bcacb

24. Complete the letter series.

EWJ, HSO, KOT, NKY, ?

- a) PGD b) QGE c) QGD d) QFD

25. Complete the number series.

5, 14, 30, 55, ?

- a) 88 b) 89 c) 90 d) 91

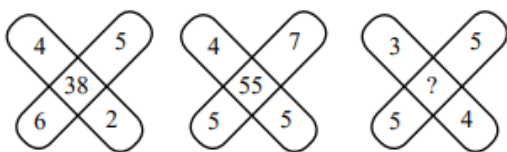
26. Pointing to a boy Sushmita says "He is the son of the daughter of the father of my uncle". How is the boy related to Sushmita?

- a) Brother b) Uncle c) Son d) Cousin

27. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

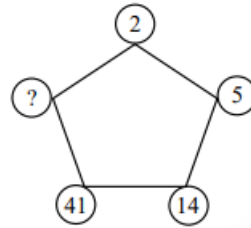
- a) Son b) Sister
c) Nephew d) Cannot be determined

28. Find out the missing number.



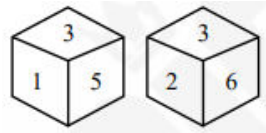
- a) 35 b) 37 c) 45 d) 47

29. Find out the missing number.



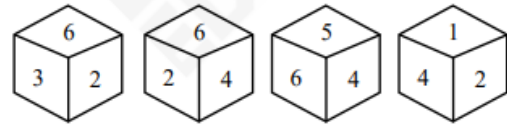
- a) 122 b) 123 c) 124 d) 125

30. Two positions of a dice are shown below. Which number is opposite to the number 5?



- a) 2 b) 6 c) 4 d) 1

31. Four positions of a dice are shown below. Which number is on the face opposite to 6?



- a) 4 b) 1 c) 2 d) 3

32. Find out the odd word.

- a) Carl Lewis b) Usain Bolt
c) Ben Johnson d) Emil Jacktopek

33. Find out odd number.

- a) 13 b) 29 c) 17 d) 119

34. COW : 365 :: DOG : ?

- a) 647 b) 467 c) 764 d) 746

35. If, 25th day before yesterday was Sunday, then which day will be 22nd day after tomorrow?

- a) Friday b) Saturday
c) Sunday d) Monday

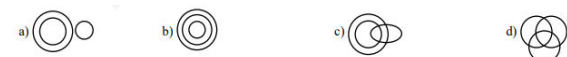
36. If + means \div , - means +, \times means -, \div means \times , then what will be the value of the following expression?

$$18 \div 6 - 27 + 3 \times 12 = ?$$

- a) 92 b) 105 c) 95 d) 107

37. Explain the following relationship with the help of venn diagram.

Men, Father, Doctor



38. Explain the following relationship with the help of venn diagram.

Indians, scientists, musicians



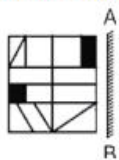
39. How many 6's are there in the following series of numbers which are preceded by 7 but not immediately followed by 9?

6 7 9 5 6 9 7 6 8 7 6 7 8 6 9 4 6 7 7 6 9 5 7 6 3

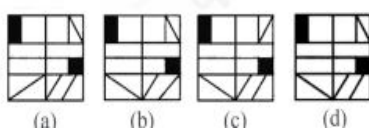
a) One b) Two c) Three d) Four

40. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?

Question figure



Answer figures



41. By selling an article for Rs. 19.50 a trader gains 30%. To gain 40%, he should sell the article for –

a) Rs. 20 b) Rs. 22.20
c) Rs. 23.40 d) Rs. 21

42. Rs. 1250 is divided among A, B and C such that A gets $\frac{2}{9}$ th of B's share and C gets $\frac{3}{4}$ th of A's share. The share of B is –

a) Rs. 720 b) Rs. 810
c) Rs. 450 d) Rs. 900

43. A and B entered into a partnership business investing Rs. 12000 and Rs. 9000 respectively. After 3 months, C joins the business by investing Rs. 15000. What is the share of C in a half-yearly profit of Rs. 8550?

a) Rs. 1350 b) Rs. 2400
c) Rs. 2250 d) Rs. 2700

44. 300 men can do a work in 16 days. The number of men needed to do $\frac{1}{4}$ th of the work in 15 days is –

a) 20 b) 80 c) 40 d) 60

45. 15 minutes is how much percent of 4 hours?

a) $16\frac{2}{3}\%$ b) $16\frac{1}{4}\%$ c) 15% d) 20%

46. A and B can do a work in $6\frac{2}{3}$ days and 5 days respectively. They work together for 2 days and then A leaves. B will finish the remaining work in –

a) 2 days b) $1\frac{1}{2}$ days
c) 3 days d) None of these

47. The value of $(0.00032)^{0.6}$ is –

a) 0.0016 b) 0.008
c) 0.08 d) 0.016

48. A box has 210 coins of denominations one-rupee and fifty paise only. The ratio of their respective values is 13:11. The number of fifty paise coins is –

a) 108 b) 168 c) 144 d) 132

49. Rs. 800 amounts to Rs. 956 in 3 years at a certain rate of simple interest. If the annual rate of interest increases by 4% then the amount on the same sum for 3 years will be –

a) Rs. 1020.80 b) Rs. 1028
c) Rs. 1052 d) Rs. 1048

50. Out of three numbers, the first is double the second and half of the third. If the average of the numbers is 56, find the difference of the largest and the smallest number.

a) 72 b) 24
c) 48 d) 60

51. Two trains start from Delhi and Moradabad at the same time towards each other at 26 km/hr and 31 km/hr respectively. When they meet each other, it is seen that one train has travelled 45 km more than the other. The distance between Delhi and Moradabad is –

a) 513 km b) 486 km
c) 351 km d) 684 km

52. If $x^2 - 3x + 1 = 0$ then find the value $X^2 - \frac{1}{X^2}$ if $x > 1$.

a) $3\sqrt{5}$ b) 15 c) $\sqrt{15}$ d) $\frac{3\sqrt{5}}{5}$

53. The ratio of the length of a train and a platform is 2 : 3. If the train is running at 90 km/hr and it crosses the platform in 1 minute, find the length of the train –

a) 400 m b) 450 m c) 600 m d) 300 m

54. By selling oranges at 32 a rupee, a man loses 2.5%. How many for a rupee should he sell to gain 20%?

a) 25 b) 26 c) 24 d) 27

55. The square root of $[0.6 \times 0.6 \times 0.6 + 0.4 \times 0.4 \times 0.4 + 3 \times 0.6 \times 0.4]$ is –

- a) 0.24 b) 1 c) 0.2 d) 1.2

56. What will be the area of a circle whose perimeter is 132 cm?

- a) 1423 cm^2
b) 1232 cm^2
c) 1223 cm^2
d) 1386 cm^2

57. A person covers 20 km distance at 5 km/hr, the next 15 km at 3 km/hr and the last 10 km at 2 km/hr. The average speed for the whole journey is –

- a) 3 km/hr
b) $3\frac{3}{14}$ km/hr
c) $3\frac{5}{7}$ km/hr
d) 4 km/hr

58. If $x + \frac{1}{x} = 3$ then the value of $\frac{3x^2 - 4x + 3}{x^2 - x + 1}$ is

- a) $\frac{3}{2}$ b) 2 c) 3 d) $\frac{5}{2}$

59. The ratio of boys and girls in a school is 3 : 4. If 200 more boys join the school, the ratio becomes 7 : 8. How many girls are there in the school?

- a) 1600 b) 1800 c) 2000 d) 1728

60. Simplify and find its square root

$$7.4187 - 6.8 \div 8.5 - 2.03 \times 11.17$$

- a) 2.06 b) 3.12 c) 4.08 d) 6.1

61. From the following pairs, find the one which is correctly matched?

- a) Scurvy – Thiamine
b) Tuberculosis – ATS
c) Tetanus – BCG
d) Malaria – Chloroquine

62. In which of the following type of cells, Sarcoplasmic reticulum is found?

- a) Muscle cells
b) Liver cells
c) Kidney cells
d) Neurons

63. Which of the following substances act as fuel in the human body?

- a) Protein
b) Vitamin
c) Carbohydrate
d) Water

64. What is an enzyme basically?

- a) Carbohydrate
b) Lipids
c) Protein
d) Amino acids

65. Which of the following is called "Defensive material" ?

- a) Vitamin
b) Carbohydrate
c) Protein
d) Fat

66. Carrot is a rich source of which vitamin?

- a) Vitamin A
b) Vitamin D
c) Vitamin C
d) Vitamin E

67. The first Indian to become a member of Parliament in the House of Commons in London was –

- a) Jawaharlal Nehru
b) Mahatma Gandhi
c) Dadabhai Naoroji
d) Surendranath Banerjee

68. Who was the first musician to get Bharat Ratna Award?

- a) M. S. Subbulakshmi
b) Pandit Ravishanker
c) Bhupen Hazarika
d) Lata Mangeshkar

69. Who was the first woman to win Nobel Prizes in two different categories?

- a) Marie Curie
b) Irene Joliot-Curie
c) Ada E. Yonath
d) May-Britt Moser

70. Which Indian classical dance form is performed primarily by men and is known for its use of make-up and elaborate costumes?

- a) Bharatanatyam
b) Manipuri
c) Kuchipudi
d) Kathakali

71. B. C. Roy Award is given in the field of –

- a) Music
b) Journalism
c) Medicine
d) Environment

72. In which year was Pulitzer Prize established?

- a) 1917
b) 1918
c) 1922
d) 1928

73. Which of the following societies has instituted an award for an outstanding parliamentarian?

- a) Jamnalal Bajaj Foundation
b) Institute of Constitutional and Parliamentary Studies
c) G. B. Pant Memorial Society
d) R. D. Birla Samara Kosh

74. Saraswati Samman is given annually for outstanding contribution to –

- a) Classical music
b) Education
c) Literature
d) Fine arts

75. When was Arjuna Award instituted?

- a) 1965 b) 1961
- c) 1963 d) 1957

76. 'Ashoka Chakra' is awarded in which of the following field?

- a) Acts of gallantry in the presence of enemy
- b) Gallantry by children
- c) Outstanding contribution to literature
- d) The most conspicuous bravery or self-sacrifice on land, air or sea but not in the presence of the enemy

77. The 'Cannes Award' is given for excellence in which field?

- a) Films b) Journalism
- c) Literature d) Economics

78. The Nobel Peace Prize is awarded from which city?

- a) Oslo b) Stockholm
- c) Brussels d) Geneva

79. Arjuna Award is given for –

- a) Exceptional service in emergency
- b) Bravery on battlefield
- c) Outstanding performance in sports
- d) Exceptional service in slum dwellers

80. Sharad Joshi Samman is awarded for –

- a) Cartoon b) Satire and essay
- c) Trade Union Activity d) Social Service