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Jawahar Navodaya Vidyalaya Entrance Exam

Class VI : Solved Paper, 2023

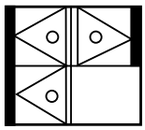
(Exam Date : 04-11-2023)

Section-I
Mental Ability Test

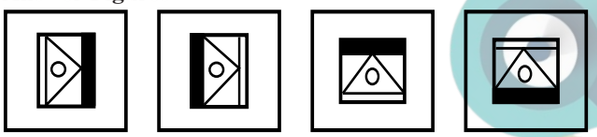
Direction (Q. No. 1 to 4)

In the given questions, there is a question figure on the above a part of which is missing. Observe the answer figures (A), (B), (C) and (D) on the below and find out the answer figure which, without changing the direction, fits in the missing part of the question figure in order to complete the pattern in the question figure.

1. Question Figure

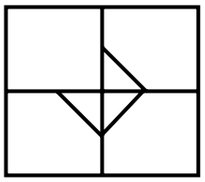


Answer Figures



(A) (B) (C) (D)

2. Question Figure

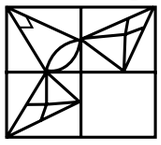


Answer Figures

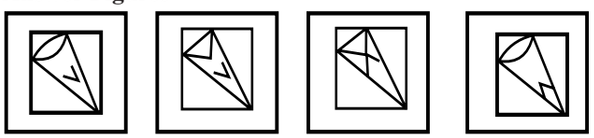


(A) (B) (C) (D)

3. Question Figure

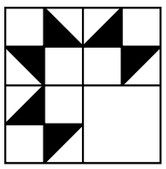


Answer Figures

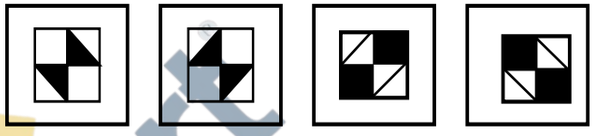


(A) (B) (C) (D)

4. Question Figure



Answer Figures

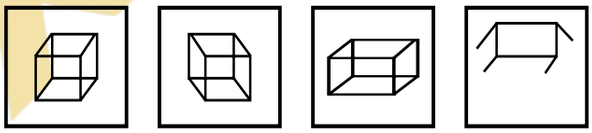


(A) (B) (C) (D)

Direction (Q. No. 5 to 8)

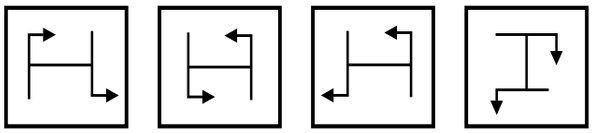
In the given questions, four figures (A), (B), (C) and (D) have been given in each question of these four figures, three figures are similar in some way and one figure is different. Select the figure which is different.

5.



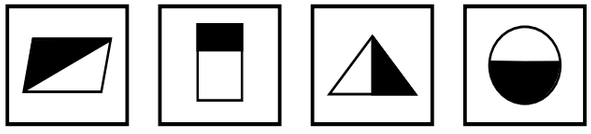
(A) (B) (C) (D)

6.



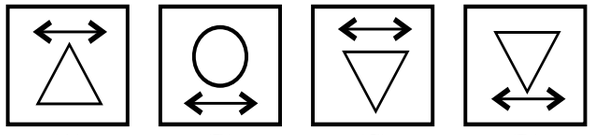
(A) (B) (C) (D)

7.



(A) (B) (C) (D)

8.



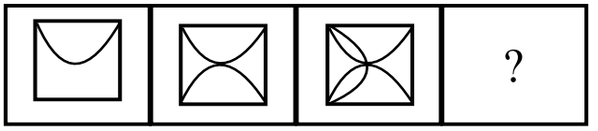
(A) (B) (C) (D)

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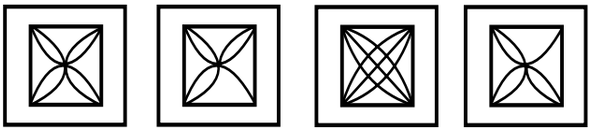
Direction (Q. No. 9 to 12)

In the given questions, there are three questions figures on the above and the space for the fourth figure in left blank. The question figures are in a series. Find out one figure from among the answer figures given the below which occupies the blank space for the fourth figure on the above and completes the series.

9. Question Figures

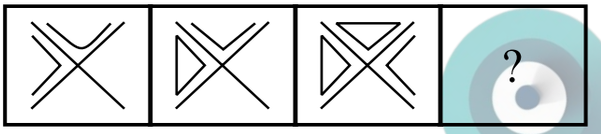


Answer Figures

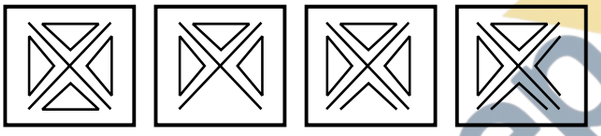


(A) (B) (C) (D)

10. Question Figures

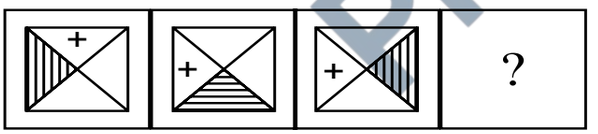


Answer Figures

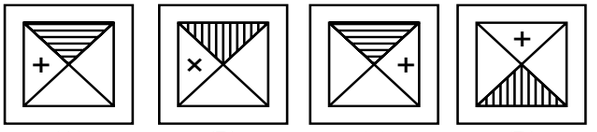


(A) (B) (C) (D)

11. Question Figures

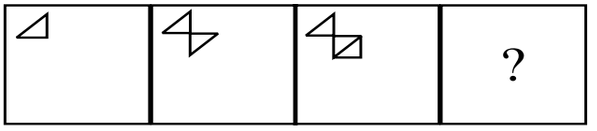


Answer Figures

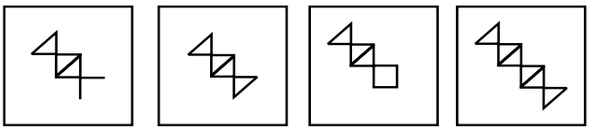


(A) (B) (C) (D)

12. Question Figures



Answer Figures

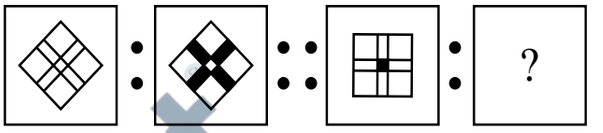


(A) (B) (C) (D)

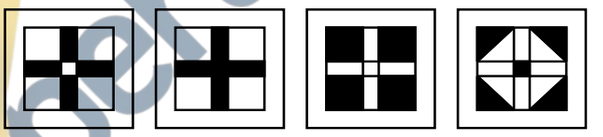
Direction (Q. No. 13 to 16)

In each question, there are two sets of two question figures each. The second set has an interrogatio mark (?). There exists a relationship between the first two question figures. Similar relationship should exist between the third and fourth questions figure. Select one of the answer figures which replaces the mark of interrogation.

13. Question Figures

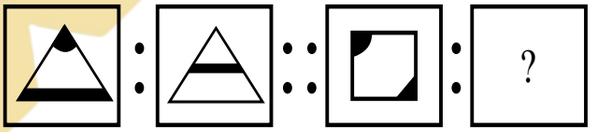


Answer Figures

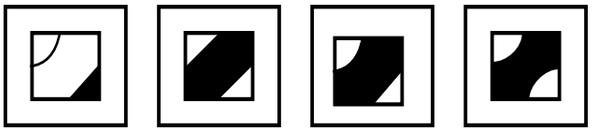


(A) (B) (C) (D)

14. Question Figures

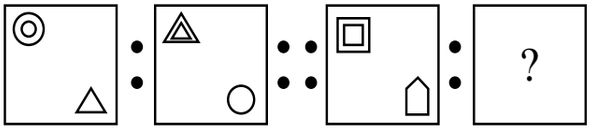


Answer Figures

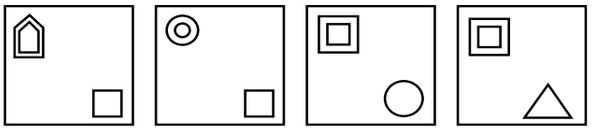


(A) (B) (C) (D)

15. Question Figures



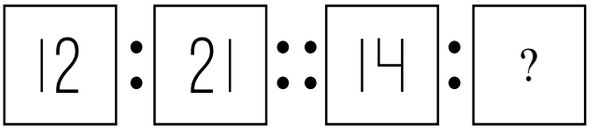
Answer Figures



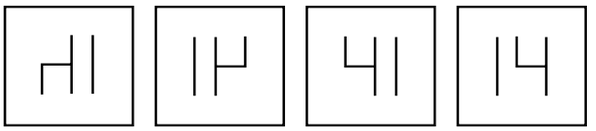
(A) (B) (C) (D)

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16. **Question Figures**



Answer Figures



(A) (B) (C) (D)

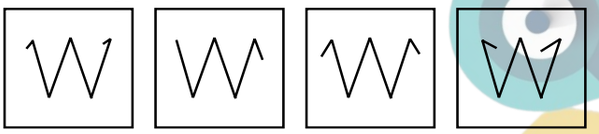
Direction (Q. No. 17 to 20)

In the given question, a question figure is given above and four answer figures marked (A), (B), (C) and (D) are given below. Select the answer figure which is exactly the same as the question figure.

17. **Question Figure**

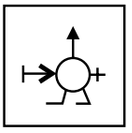


Answer Figures

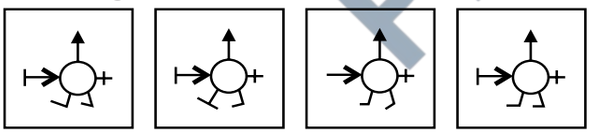


(A) (B) (C) (D)

18. **Question Figure**



Answer Figures

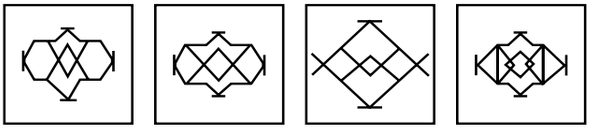


(A) (B) (C) (D)

19. **Question Figures**

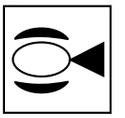


Answer Figures

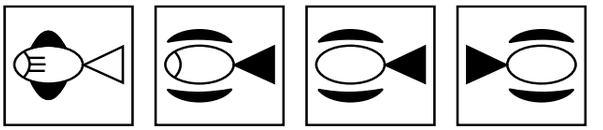


(A) (B) (C) (D)

20. **Question Figure**



Answer Figures



(A) (B) (C) (D)

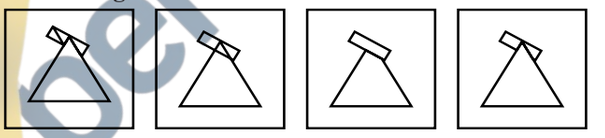
Direction (Q. No. 21 to 24)

In the given questions, a question figure is given and four answer figures marked (A), (B), (C) and (D) are given below. Select the answer figure which can be formed from the cut-out pieces given in the question figure.

21. **Question Figure**



Answer Figures

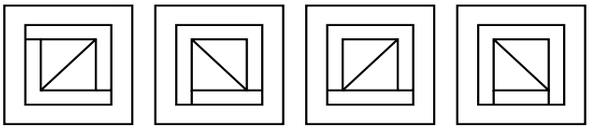


(A) (B) (C) (D)

22. **Question Figure**

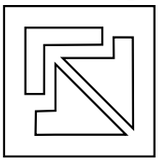


Answer Figures

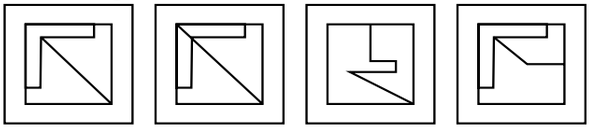


(A) (B) (C) (D)

23. **Question Figure**



Answer Figures



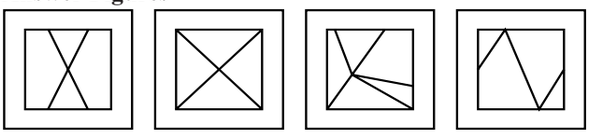
(A) (B) (C) (D)

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24. Question Figure



Answer Figures

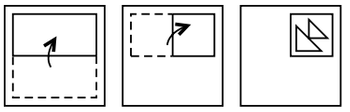


(A) (B) (C) (D)

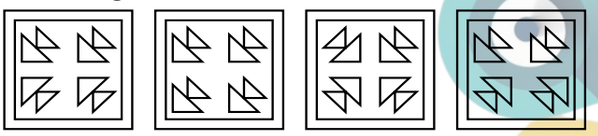
Direction (Q. No. 25 to 28)

In the given questions, a piece of paper is folded and Punched as shown in question figures and four answer figures marked (A), (B), (C) and (D) are given. Select the answer figure which indicates how the paper will appear when opened (unfolded).

25. Question Figures

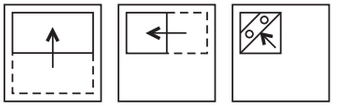


Answer Figures

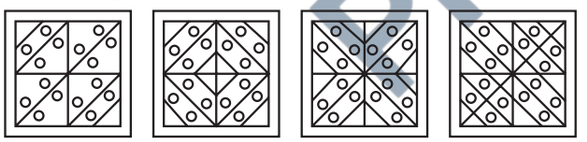


(A) (B) (C) (D)

26. Question Figures

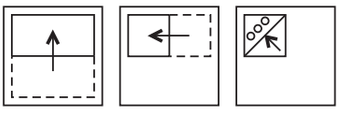


Answer Figures

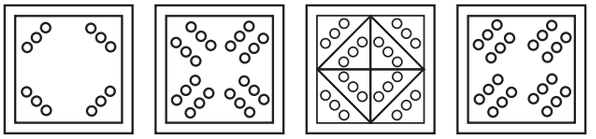


(A) (B) (C) (D)

27. Question Figures

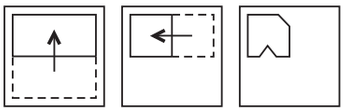


Answer Figures

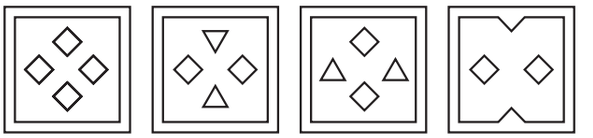


(A) (B) (C) (D)

28. Question Figures



Answer Figures

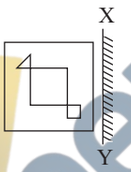


(A) (B) (C) (D)

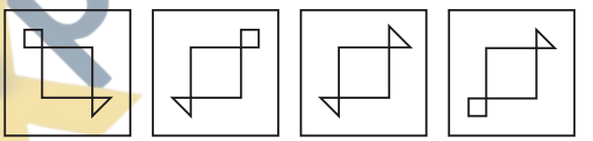
Direction (Q. No. 29 to 32)

In every question given, there is a question figure on the above and four answer figures marked (A), (B), (C) and (D) are given below. Select the answer figure which is exactly the mirror image of the question figure when the mirror is held at XY.

29. Question Figure

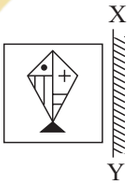


Answer Figures

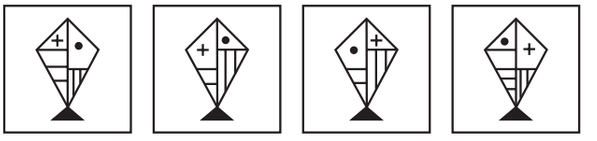


(A) (B) (C) (D)

30. Question Figure

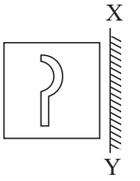


Answer Figures



(A) (B) (C) (D)

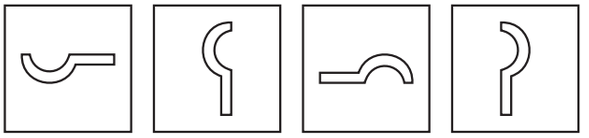
31. Question Figure



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Answer Figures

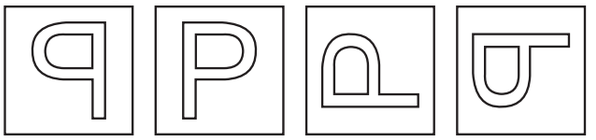


(A) (B) (C) (D)

32. Question Figure



Answer Figures

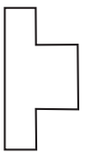


(A) (B) (C) (D)

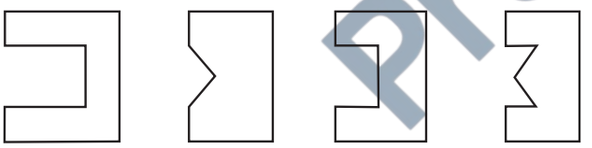
Direction (Q. No. 33 to 36)

From the given questions, one part of a geometrical figure (Triangle, Square, Circle) is given in the form of question figure and other one is among the four answer figures (A), (B), (C) and (D). Find the figure that completes the geometrical figure.

33. Question Figure

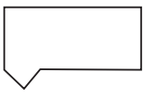


Answer Figures

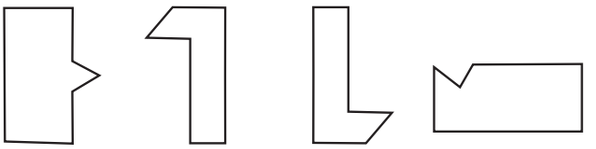


(A) (B) (C) (D)

34. Question Figure

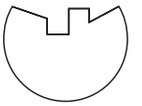


Answer Figures



(A) (B) (C) (D)

35. Question Figure



Answer Figures

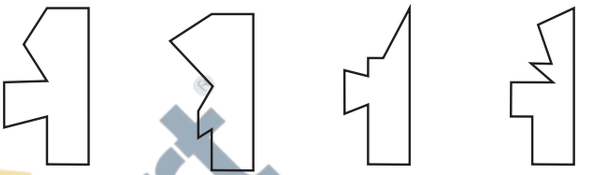


(A) (B) (C) (D)

36. Question Figure



Answer Figures



(A) (B) (C) (D)

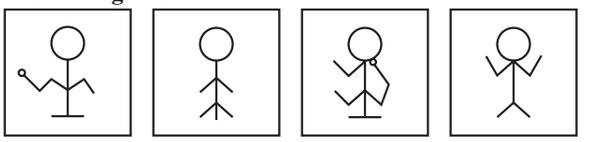
Direction (Q. No. 37 to 40)

In the given questions, a question figure is given above and four answer figures marked (A), (B), (C) and (D) are given below. Select the answer figure in which the question figure is hidden/embedded.

37. Question Figure

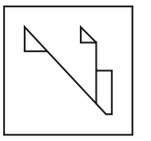


Answer Figures

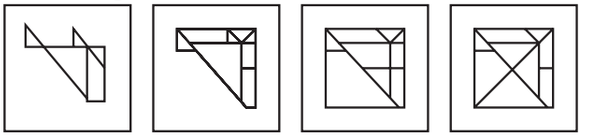


(A) (B) (C) (D)

38. Question Figure



Answer Figures



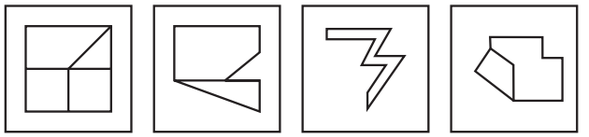
(A) (B) (C) (D)

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39. **Question Figure**

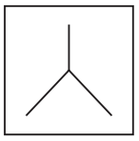


Answer Figures

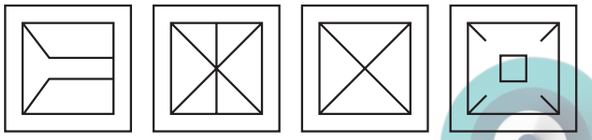


(A) (B) (C) (D)

40. **Question Figure**



Answer Figures



(A) (B) (C) (D)

Section-II
Arithmetic Test

41. The product of all prime numbers between 80 and 90 is :

(A) 83 (B) 89

(C) 7387 (D) 598347

42. The sum of the greatest 7-digit number and smallest 8-digit number is :

(A) 19999999 (B) 1999999

(C) 10999999 (D) 1000999

43. The sum of the smallest odd prime number and the greatest prime number of 2-digit is :

(A) 98 (B) 99

(C) 100 (D) 103

44. The expenditure of a family per month is as follows :

Kitchen = ₹ 9,378

Education = ₹ 3,780

Conveyance = ₹ 2,817

Sundry Expenses = ₹ 4,388.

Rounded off total monthly expenditure of the family to the nearest thousand is :

(A) ₹ 21,000 (B) ₹ 24,000

(C) ₹ 20,000 (D) ₹ 23,000

45. Three bells toll at intervals of 9, 12, 15 minutes. If they start tolling together at 8:00 a.m., they will next toll together at :

(A) 10:00 a.m. (B) 11:00 a.m.

(C) 12:00 noon (D) 1:00 p.m.

46. $5\frac{2}{3} - 2\frac{5}{6} - 3\frac{1}{12}$ on simplification gives :

(A) $\frac{1}{4}$ (B) $-\frac{1}{4}$

(C) $3\frac{1}{12}$ (D) $\frac{1}{3}$

47. Subtracting $\frac{7}{13}$ from $\frac{25}{26}$, we get :

(A) $\frac{11}{26}$ (B) $\frac{18}{13}$

(C) $\frac{32}{39}$ (D) $\frac{18}{26}$

48. On simplifying $5 + \frac{77}{10} + \frac{7}{100} + \frac{77}{1000}$, we get

(A) 12.151 (B) 12.777

(C) 7.240 (D) 12.847

49. How many $\frac{1}{6}$ together make $41\frac{2}{3}$?

(A) 125 (B) 150

(C) 250 (D) 350

50. Which of the following are *not* equivalent ?

(A) $\frac{3}{5}$ and $\frac{18}{30}$ (B) $\frac{20}{28}$ and $\frac{5}{7}$

(C) $\frac{6}{9}$ and $\frac{24}{25}$ (D) $\frac{9}{18}$ and $\frac{36}{72}$

51. The ascending order of 5.50, 0.05, 0.55, 0.005, 5.0005 is :

(A) $0.005 < 0.05 < 0.55 < 5.0005 < 5.50$

(B) $5.50 < 5.0005 < 0.005 < 0.05 < 0.55$

(C) $5.0005 < 5.50 < 0.55 < 0.05 < 0.005$

(D) $0.05 < 0.005 < 0.55 < 5.50 < 5.0005$

52. By selling a TV for ₹ 16,920, a dealer loses ₹ 1,080. By what price he should sell the TV to gain ₹ 1,080 ?

(A) ₹ 18,000 (B) ₹ 19,080

(C) ₹ 20,000 (D) ₹ 20,080

53. A vendor buys lemons at the rate of 5 lemons for ₹ 7 and sells them at the rate of 2 lemons for ₹ 3.50. After selling 100 lemons, his profit or loss is :

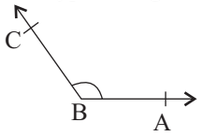
(A) ₹ 35 loss (B) ₹ 35 profit

(C) ₹ 0.35 profit (D) ₹ 25 profit

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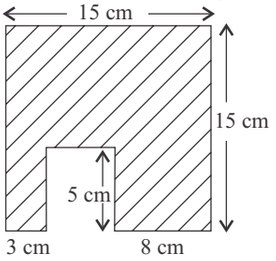
54. A reflex angle measures :
(A) more than 90º but less than 180º
(B) more than 180º but less than 270º
(C) more than 180º but less than 360º
(D) less than 90º

55. The type of angle shown in the figure is a/an :



(A) Acute angle (B) Right angle
(C) Reflex angle (D) Obtuse angle

56. The area of shaded region is :



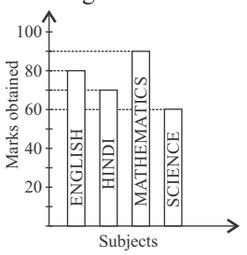
(A) 205 cm^2 (B) 150 cm^2
(C) 120 cm^2 (D) 140 cm^2

57. Four square tables, each of side 1.3 m, are placed end-to-end to form one big rectangular table. The perimeter of this big table is :
(A) 5.2 m (B) 10.4 m
(C) 13 m (D) 20.8 m

58. A square and rectangle have equal area. If each side of the square is 42 m and the width of the rectangle is 28m, then the perimeter of the rectangle is :
(A) 91 m (B) 121 m
(C) 175 m (D) 182 m

59. Which one of the following is correct ?
(A) 5 m 8 cm = 580 cm
(B) 7 m 55 cm = 7055 cm
(C) 2 km 70 m = 270 m
(D) 6 km 11 m = 6011 m

60. The given bar chart shows the marks obtained by a student in four subjects. The average marks scored by the student is:



(A) 80 (B) 75
(C) 70 (D) 60

Section-III
Language Test

Direction (Q. No. 61 to 80)

There are four passages in this Section. Each passage is followed by five questions. Read each passage carefully and answer the questions that follow. For each question, four probable answers as (A), (B), (C) and (D) are given. Only one out of these is correct. Choose the correct answer.

Passage-1

To achieve glory and success, one should have a strong will. Hard work and continuous efforts help a person achieve many things. Every person is different and unique. He possesses special hidden qualities. These abilities need to be utilized to achieve fame and success in life. One should realize one's capacities and use them properly. Determination or perseverance is the key to success. One must possess the power of tolerance, courage and above all, determination to achieve one's aim.

61. One should have a strong will to achieve _____ .
(A) strength (B) power
(C) success (D) failure

62. _____is the key to success.
(A) Determination (B) Unplanned work
(C) Stubbornness (D) Weak mindedness

63. One should use _____ properly to achieve fame.
(A) one's failure (B) one's capacities
(C) one's feelings (D) one's weaknesses

64. 'Special' is the opposite of _____.
(A) ordinary (B) favourite
(C) specific (D) fond of

65. 'Hidden' means _____.
(A) seen (B) unseen
(C) achieved (D) uncovered

Passage-2

Helen Keller, an American author, was totally blind, but she still read many more books than most people who could see. She even wrote books. She was deaf, but she enjoyed music far more than most of the people who could hear. For nine long years, she could not speak, but later she delivered lectures at many places in the United States. Not only this, she even made movies on her life and also acted in her movies. All this was possible because of Helen Keller's determination to overcome all her disabilities.

66. Helen Keller could not see because she was _____.
(A) deaf (B) dumb
(C) hungry (D) blind

67. She was deaf, but enjoyed _____very much.
(A) art (B) science
(C) music (D) dance

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68. An author is a person, who_____.
(A) rules (B) makes movies
(C) acts in movies (D) writes books

69. Helen made some movies about _____.
(A) the lives of Americans
(B) blind people
(C) her own life
(D) human behaviour

70. The word used in the paragraph for 'firmness of purpose' is _____.
(A) delivered (B) overcome
(C) determination (D) wrote

Passage-3

India has produced many great scientists and Jagdish Chandra Bose was one of them. He dedicated his life to Botany and was honoured not only in India but abroad also. He was born on 30th November, 1858 at Mymensingh. He belonged to a simple family and his parents were always ready to help the poor and the needy. His interest in plants started at a very young age. He spent a lot of his time with farmers in the fields. From his childhood he loved to experiment and understand the laws of nature.

71. Jagdish Chandra Bose was a great _____.
(A) doctor (B) farmer
(C) scientist (D) teacher

72. Jagdish Chandra Bose's date of birth is _____.
(A) 30th December, 1858
(B) 30th November, 1868
(C) 30th November, 1858
(D) 30th November, 1848

73. His interest in _____started at young age.
(A) animals (B) literature
(C) medicine (D) botany

74. 'Dedicated' means _____ .
(A) loved (B) started
(C) devoted (D) honoured

75. The word used in the paragraph for 'outside India' is _____.
(A) Mymensingh (B) Bangladesh
(C) outside (D) abroad

Passage-4

Honesty means truthfulness. It means being free from all kinds of evil motives. Honesty means being fair and sincere, not only in our dealings with others but also being honest with ourselves. When a person is fair and sincere in his character and behaviour, we say that he is an honest person. An honest person is respected by all. He has a good position in society. Honesty is a noble virtue that always pays. No one should ignore truthfulness.

76. Honesty means _____.
(A) badness (B) sadness
(C) truthfulness (D) fruitfulness

77. Honesty means being free from all kinds of _____motives.
(A) evil (B) good
(C) positive (D) great

78. An honest person is always _____ by all.
(A) hated (B) ignored
(C) respected (D) insulted

79. 'Honest' is the opposite of _____.
(A) fake (B) dishonest
(C) frank (D) open

80. 'Sincere' is a/an _____.
(A) Verb (B) Adjective
(C) Noun (D) Adverb