

**Jawahar Navodaya Vidyalaya**  
**Class-VI Entrance Exam**  
**Question paper-2024) Phase-II**  
**Exam Date: 20/1/2024**

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## Section A

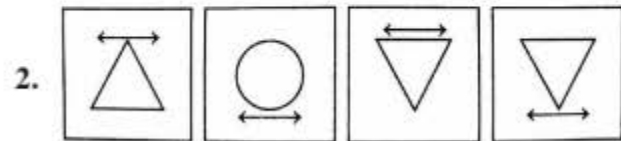
### Reasoning Ability

#### Part I

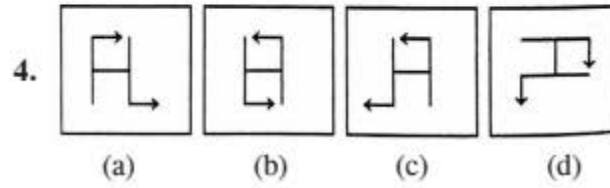
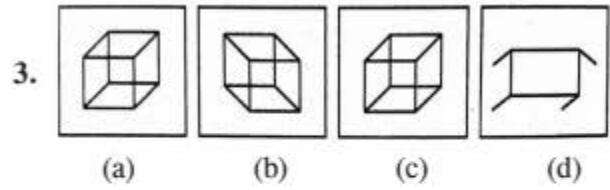
Directions: In Question Nos. 1 to 4, four figures (a), (b), (c) and (d) have been given in each question. Of these four figures, three figures are similar in some way and one figure is different. Select the figure which is different.



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



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

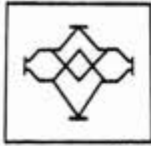


**Part II**

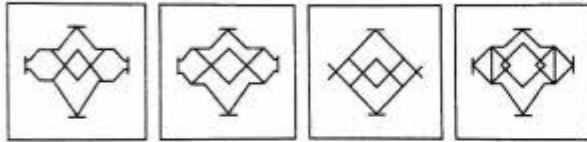
**Directions: (Q. Nos. 5-8):** A question figure is given on the left side and four answer figures marked (a), (b), (c) and (d) are given on the right side. Select the answer figure which is exactly the same as that of the question figure.

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5. Question Figure



Answer Figures



(a)

(b)

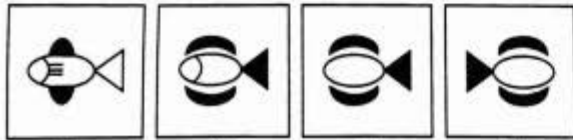
(c)

(d)

6. Question Figure



Answer Figures



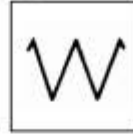
(a)

(b)

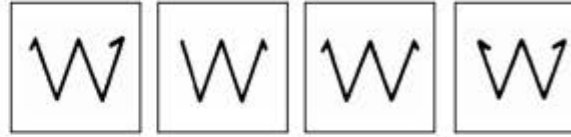
(c)

(d)

7. Question Figure



Answer Figures



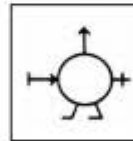
(a)

(b)

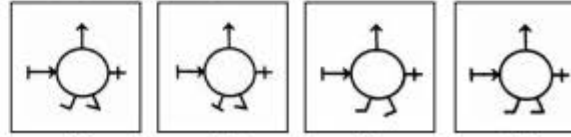
(c)

(d)

8. Question Figure



Answer Figures



(a)

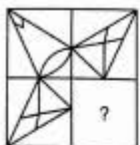
(b)

(c)

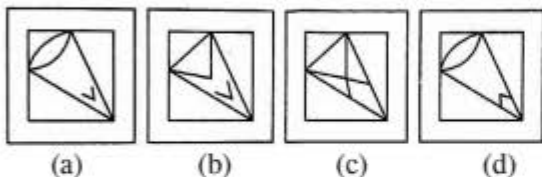
(d)

Directions: (Q. Nos. 9-12): There is a question figure on the left side, one part of which is missing. Observe the answer figures (a), (b), (c) and (d) on the right side and find out the answer which, without changing the direction, in the missing part of the question figure in order to complete the pattern in the question figure.

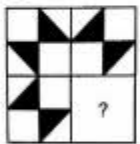
9. Question Figure



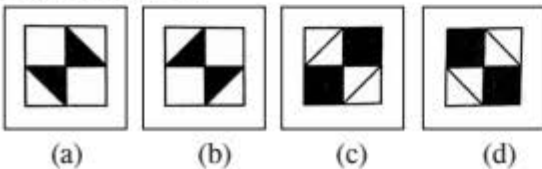
Answer Figures



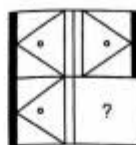
10. Question Figure



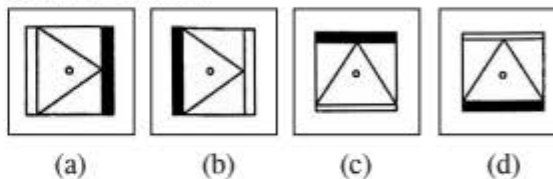
Answer Figures



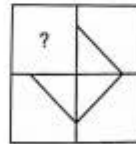
11. Question Figure



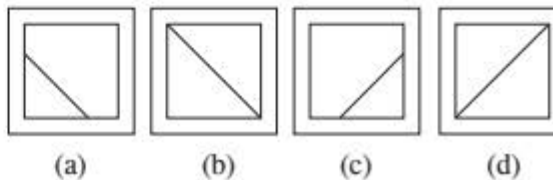
Answer Figures



12. Question Figure



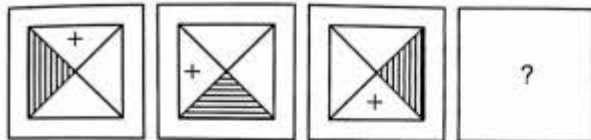
Answer Figures



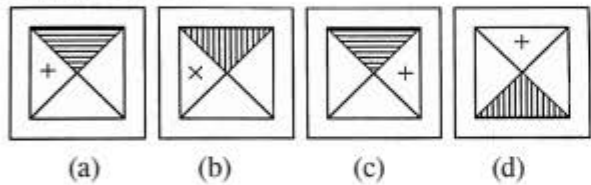
**Part IV**

**Directions: (Q. Nos. 13-16):** There are three question figure on the left and the space for the fourth figure is left blank. The question figure are in a series. Find out one figure from among the answer figures given on the right side each occupies the blank space for the fourth figure on the left side and completes the series.

**13. Question Figures**



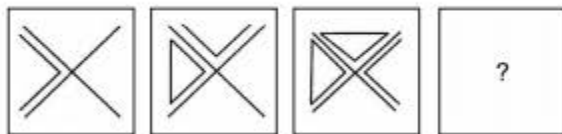
**Answer Figures**



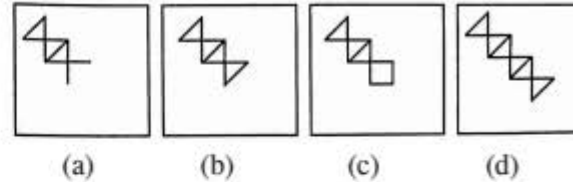
**14. Question Figures**



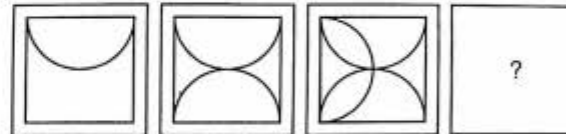
**16. Question Figures**



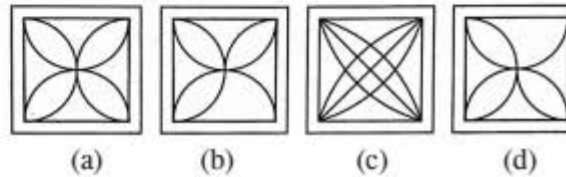
**Answer Figures**



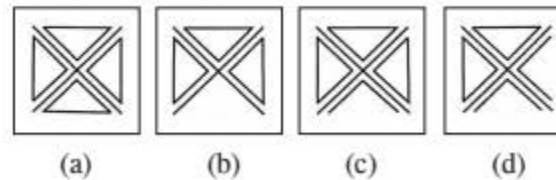
**15. Question Figures**



**Answer Figures**



**Answer Figures**

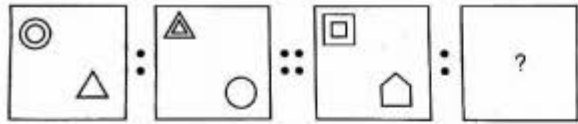


## Part V

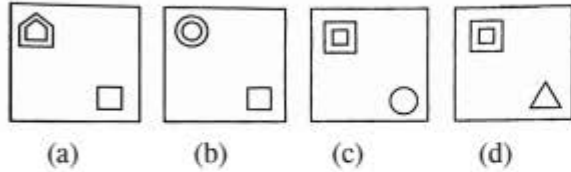
**Directions: (Q. Nos. 17-20):** There are two sets of two question figure each. The second set has an interrogation mark (Rs.). There exists a relationship between the first two question figure. Similar relationship should exist between the third and the fourth question figure. Select one of the answer figures which replaces the mark of interrogation.

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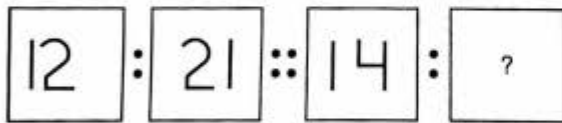
17. Question Figures



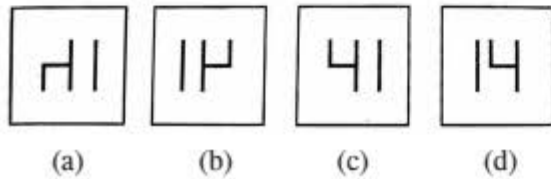
Answer Figures



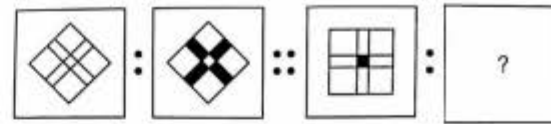
18. Question Figures



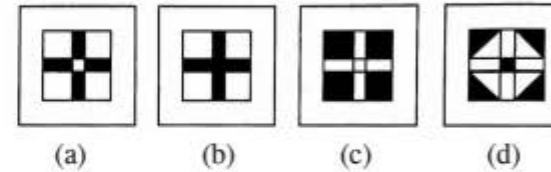
Answer Figures



19. Question Figures



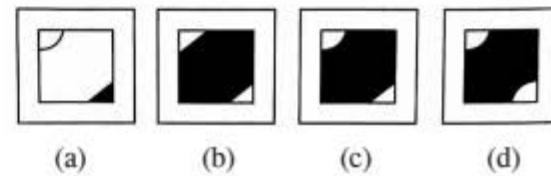
Answer Figures



20. Question Figures



Answer Figures



Part VI

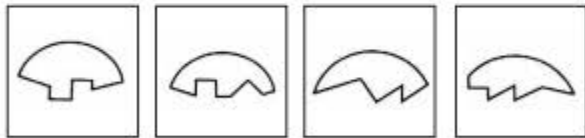
Directions: (Q. Nos. 21-24): One part of the geometrical figure (Triangle, Square, Circle) is on the left side as question figure and the other one is among the answer figures (a), (b), (c) and (d) on the right side. Find the Figure on the right side that completes the geometrical figure.



21. Question Figure

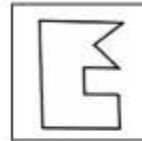


Answer Figures

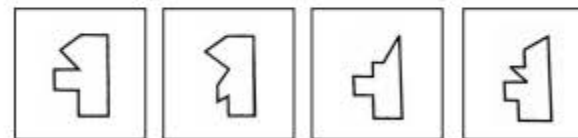


(a) (b) (c) (d)

22. Question Figure

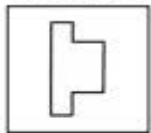


Answer Figures



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

23. Question Figure



Answer Figures



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

24. Question Figure



Answer Figures



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

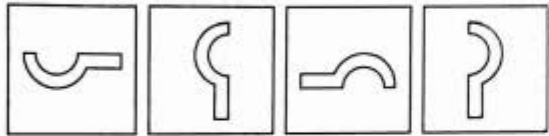
## Part VII

Directions: (Q. Nos. 25-28): There is a question figure on the left side and four answer figures marked (a), (b), (c) and (d) are given on the right side. Select the answer figures which is exactly the mirror image of the question figure when the mirror is held at XY.

25. Question Figure



Answer Figures



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

26. Question Figure

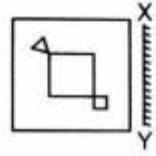


Answer Figures

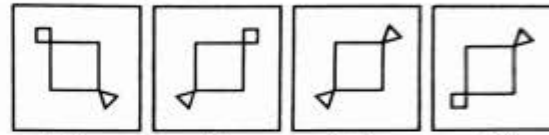


(a) (b) (c) (d)

27. Question Figure

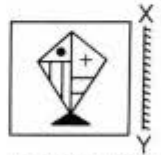


Answer Figures

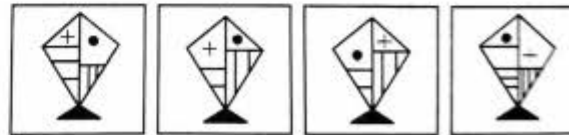


(a) (b) (c) (d)

28. Question Figure



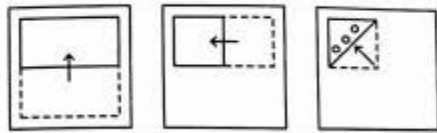
Answer Figures



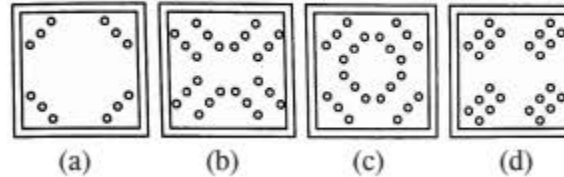
(a) (b) (c) (d)

Directions: (Q. Nos. 29-32): A piece of paper is folded and punched as the question figure on the left side, and four answer figures marked (a), (b), (c) and (d) are given on the right side. Select the answer figures which indicate how the paper will appear when opened (unfolded).

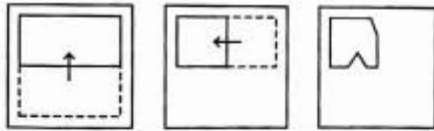
29. Question Figures



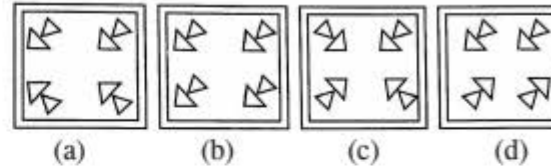
Answer Figures



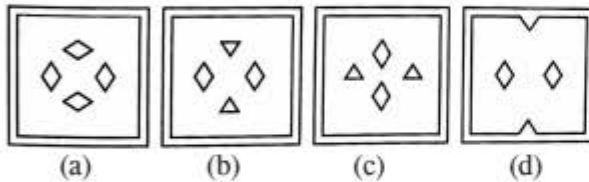
30. Question Figures



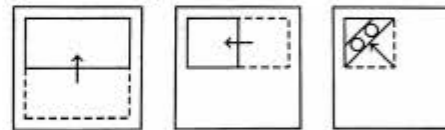
Answer Figures



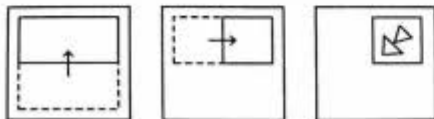
Answer Figures



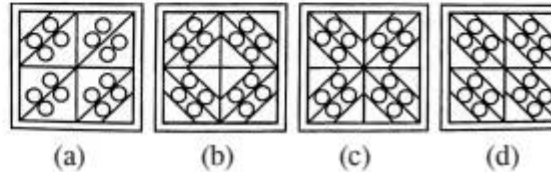
32. Question Figures



31. Question Figures



Answer Figures



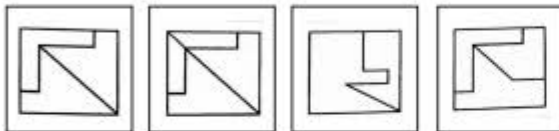
Part IX

Directions: (Q. Nos. 33-36): A question figure is given on the left side and four answer figures marked (a), (b), (c) and (d) are given on the right side. Select the answer figures which can be formed from the cut-out pieces given in the question figure.

33. Question Figure



Answer Figures

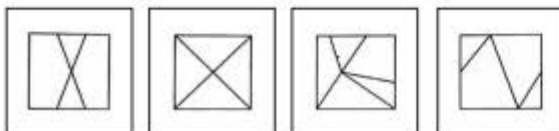


(a) (b) (c) (d)

34. Question Figure



Answer Figures

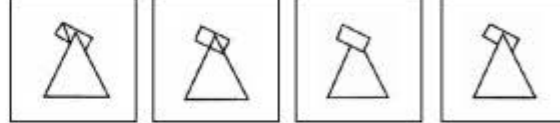


(a) (b) (c) (d)

35. Question Figure



Answer Figures

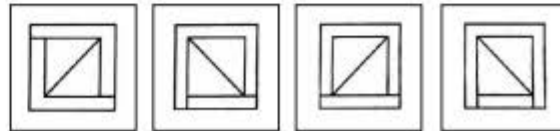


(a) (b) (c) (d)

36. Question Figure



Answer Figures



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

**Part X**

**Directions: (Q. Nos. 37-40): A question figure is given on the left side and four answer figures marked (a), (b), (c) and (d) are given on the right side. Select the answer figures in which the question figure is hidden/embedded.**

**37. Question Figure**

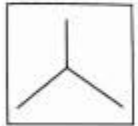


**Answer Figures**

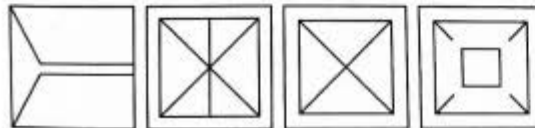


(a) (b) (c) (d)

**38. Question Figure**

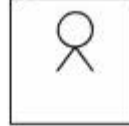


**Answer Figures**

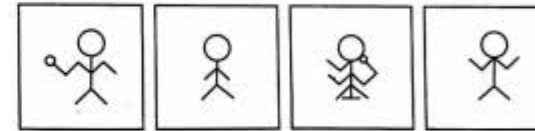


(a) (b) (c) (d)

**39. Question Figure**



**Answer Figures**

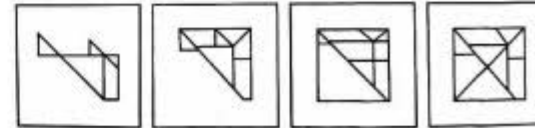


(a) (b) (c) (d)

**40. Question Figure**



**Answer Figures**



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

## Section II

### Arithmetic Test

Directions: (Q. Nos. 41-60): For every question, four probable answers as (a), (b), (c) and (d) are given. Only one of these is correct. Choose the correct answer.

41. Conversion of  $31\frac{7}{16}$  into decimal is

- (a) 314.375
- (b) 3.14375
- (c) 31.4375
- (d) 31.475

42. The profit earned in selling an article for Rs 2540 is equal to the loss incurred in selling at Rs 1550. The cost price of the article is:

- (a) Rs. 2095
- (b) Rs. 2195
- (c) Rs. 2010
- (d) Rs. 2020

43. If  $\frac{a}{b}$  is a fraction, where  $a = b-3$  and  $a = \frac{10}{b} - \frac{a}{b} = \frac{10}{7}$ , then  $\frac{a}{b}$  is

(a)  $\frac{8}{11}$

(b)  $\frac{2}{5}$

(c)  $\frac{4}{7}$

(d)  $\frac{5}{8}$

44. If each side of a square is decreased to one-third of itself, then the area of the square will be decreased to

(a) One-seventh (b) One-third

(c) One-eighth (d) One-ninth

45. The area of a rectangular plot is 616 sqm. and its breadth is 22 m. The cost of fencing the plot at the rate of Rs. 7.50 per metre is

(a) Rs. 1500 (b) Rs. 375

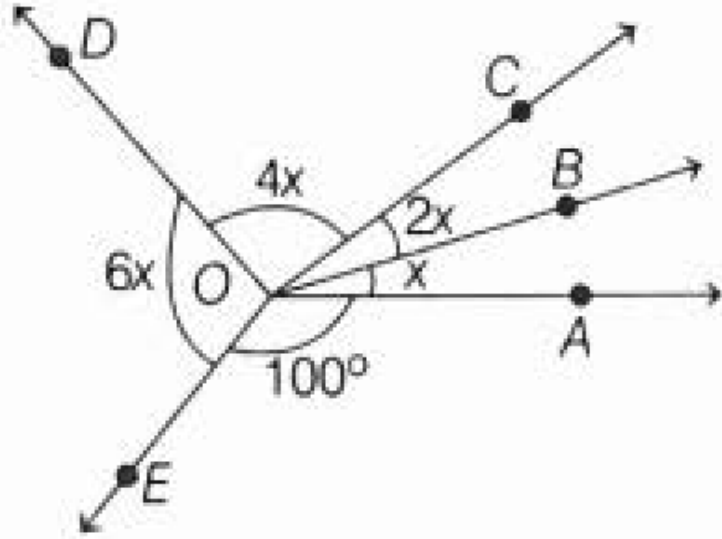
(c) Rs. 4620 (d) Rs. 750

46. A machine can print 12 pages in a minute. How long will the machine take to print 5760 pages?

(a) 7 h (b) 8h

(c) 8.5 h (d) 9 h

47. In the figure, the measures of  $\angle AOB$ ,  $\angle BOC$ ,  $\angle COD$  and  $\angle DOE$  respectively are



- (a)  $20^\circ, 40^\circ, 80^\circ, 120^\circ = 260$
- (b)  $30^\circ, 30^\circ, 70^\circ, 130^\circ = 260$
- (c)  $40^\circ, 30^\circ, 120^\circ, 70^\circ = 260$
- (d)  $50^\circ, 20^\circ, 80^\circ, 110^\circ = 260$

48. If the sum of two angles is an obtuse angle, then which of the following is not possible?

- (a) One right angle and one acute angle
- (b) One obtuse angle and one acute angle



- (c) Two acute angles
- (d) Two right angles

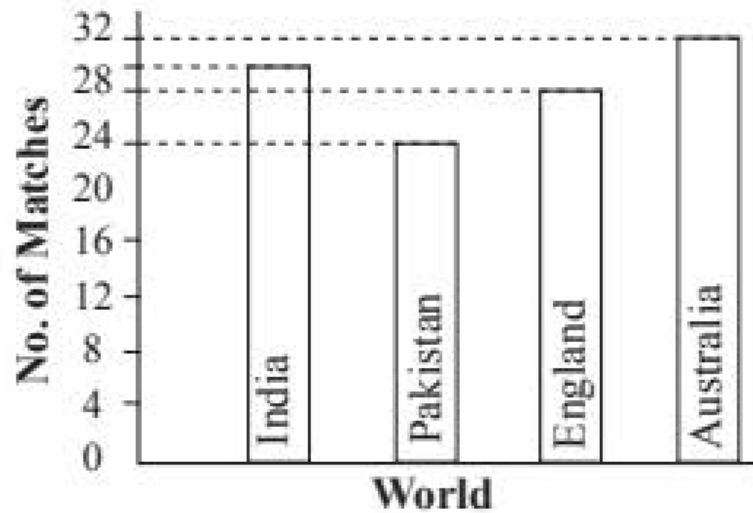
49. The sum of the digits of a number subtracted from the number. The resultant number is always divisible by

- (a) 2
- (b) 7
- (c) 5
- (d) 9

50. Sumit weighs 107 kg and Sanjay weighs 82 kg. The difference of their weight, if the weight of each is rounded off to the nearest tens is

- (a) 30 kg    (b) 100 kg
- (c) 40 kg    (d) 20 kg

51. The given bar graph shows the number of matches played by cricket teams of different countries in a year. How many more matches were played by Australia than Pakistan?



- (a) 8            (c) 4  
(b) 2            (d) 6

52. A fraction remains the same or equivalent. If.

- (a) The same number is added to the numerator and the denominator  
(b) The same number is subtracted from the numerator and the denominator  
(c) The numerator and the denominator are multiplied by the same number other than zero  
(d) It is multiplied by its reciprocal

53. The number of packets of sweets weighing  $\frac{2}{3}$  kg each that can be made from 30 kg of sweets is

- (a) 20
- (b) 30
- (c) 40
- (d) 45

54. If  $4392 \div 3.66 = 1200$ , then  $439.2 \div 36.6 =$

- (a) 12
- (b) 0.12
- (c) 1.02
- (d) 1.2

55. If we write all the numbers from 1 to 100. the number of times the digit 9 occurs is

- (a) 19    (b) 20
- (c) 21    (d) 23

56. The perimeter of a square is equal to the perimeter of a rectangle of length 17m and breadth 11m. The area of square (in  $m^2$ ) is

- (a) 196
- (b) 14
- (c) 187
- (d) 121

57. The product of the greatest 3-digit number and the least number of 3-digits\* which can be formed using digits 9\* 6 and 0 is

- (a) 66240      (b) 999000
- (c) 584640    (d) 869760

58. 30009 is same as

- (a) 30 ten thousands and 9 tens
- (b) 30 thousands and 9 hundreds
- (c) 3 ten thousands and 9 ones
- (d) 3 ten thousands and 9 tens

59.  $5\frac{3}{8} \times 8\frac{1}{8} - 3\frac{1}{8} \times 5\frac{5}{8}$  gives approximately

- (a) 25      (b) 26      (c) 27      (d) 30

60. The cost price of a book is 100. A shopkeeper sells 3 such books for 275. What is his profit or loss?

(a) Profit of Rs.175      (b) Profit of Rs.25

(c) Loss of Rs.175      (d) Loss of Rs.25

### Section III

#### Language Test – English

#### 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 realise 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
- (c) achieved
- (b) unseen
- (d) uncovered

PASSAGE-2

India has produced many great scientists and Jagadish 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.

66. Jagadish Chandra Bose was a great \_\_\_\_\_

(a) doctor (b) farmer (c) scientist (d) teacher

67. Jagadish Chandra Bose's date of birth is \_\_\_\_\_

(a) 30th December, 1858 (b) 30th November, 1868 (c) 30th November, 1858 (d) 30th November, 1848

68. His interest in \_\_\_\_\_ started at young age.

(a) animals (b) literature (c) medicine (d) botany

69. 'Dedicated' means

(a) loved (b) started (c) devoted (d) honoured

70. The word used in the paragraph for 'outside India' is

(a) Mymensingh (b) Bangladesh (c) outside (d) abroad

### PASSAGE-3

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 determination to overcome all her disabilities.

71. Helen Keller could not see because she was —.

(a) deaf (b) dumb (c) hungry (d) blind

72. She was deaf, but enjoyed — very much.

(a) art (b) science (c) music (d) dance



73. An author is a person, who———

(a) rules (b) makes movies (c) acts in movies (d) writes books

74. Helen made some movies about ——

(a) the lives of Americans (b) blind people (c) her own life (d) human behaviour

75. The word used in the paragraph for 'firmness of purpose' is ——

(a) delivered (b) overcome (c) determination (d) wrote

#### Passage 4

Honesty means a 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

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