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Jawahar Navodaya Vidyalaya Exam, 2025
Solved Paper

Exam Date : 12-04-2025

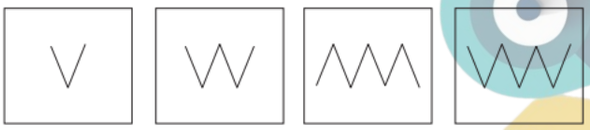
Section-I
Mental Ability Test

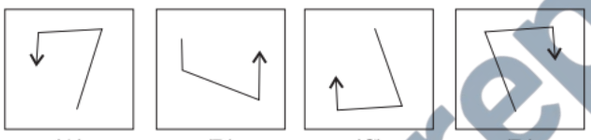
Odd Man Out

Direction (Q. No 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.

1. 
(A) (B) (C) (D)

2. 
(A) (B) (C) (D)

3. 
(A) (B) (C) (D)

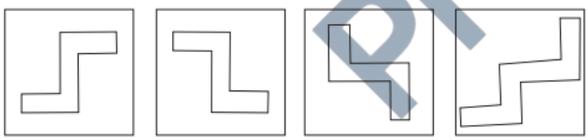
4. 
(A) (B) (C) (D)

Figure Matching

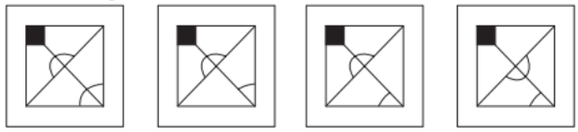
Direction (Q. No 5 to 8)

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.

5. **Question figure**



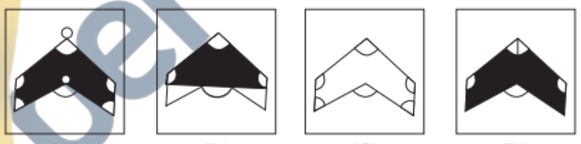
Answer figures


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

6. **Question figure**



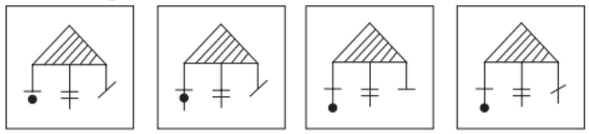
Answer figures


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

7. **Question figure**



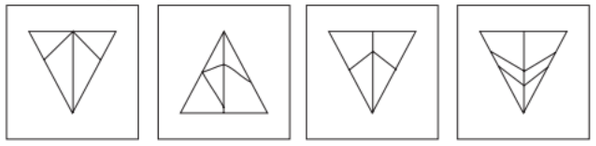
Answer figures


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

8. **Question figure**



Answer figures


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

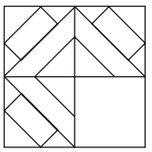
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Pattern Completion

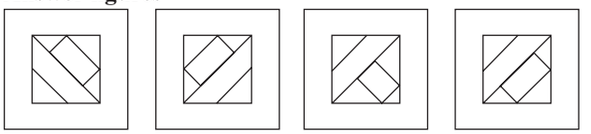
Direction (Q. No 9 to 12)

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.

9. Question figure

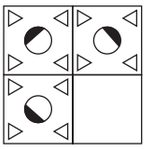


Answer figures

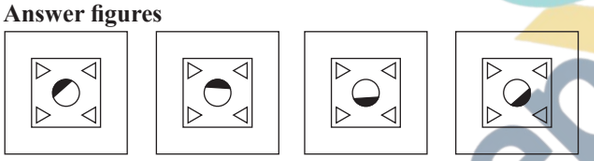


(A) (B) (C) (D)

10. Question figure

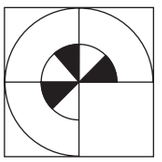


Answer figures

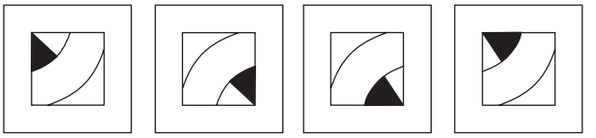


(A) (B) (C) (D)

11. Question figure

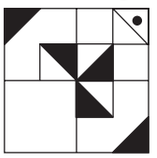


Answer figures

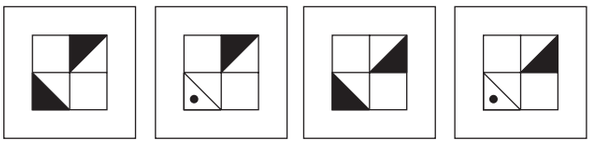


(A) (B) (C) (D)

12. Question figure



Answer figures



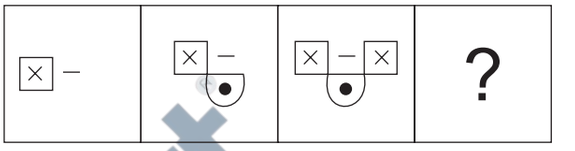
(A) (B) (C) (D)

Figure Series Completion

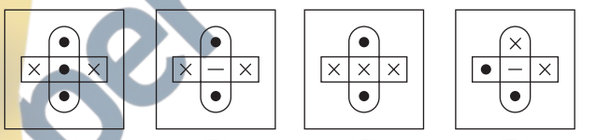
Direction (Q. No 13 to 16)

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

13. Question figures

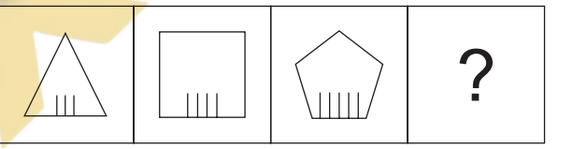


Answer figures

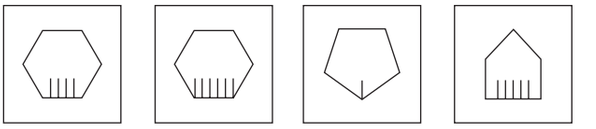


(A) (B) (C) (D)

14. Question figures

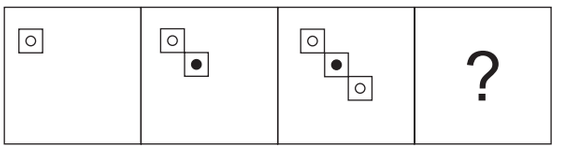


Answer figures

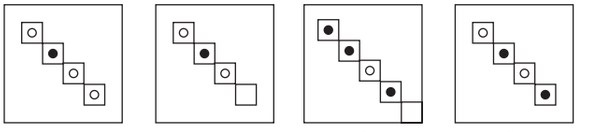


(A) (B) (C) (D)

15. Question figures



Answer figures

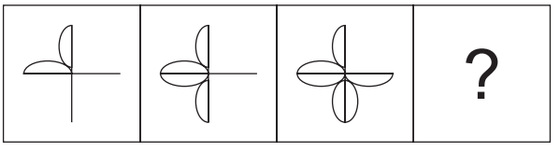


(A) (B) (C) (D)

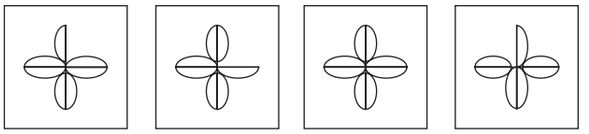
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16. **Question figures**



Answer figures



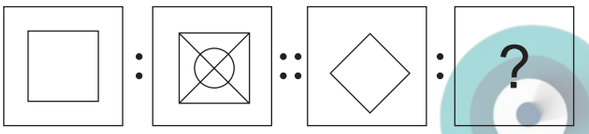
(A) (B) (C) (D)

Analogy

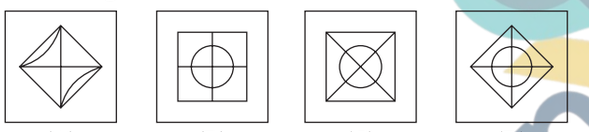
Direction (Q. No 17 to 20)

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

17. **Question figures**

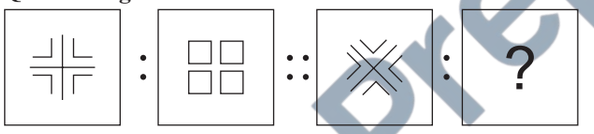


Answer figures

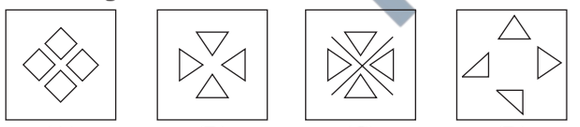


(A) (B) (C) (D)

18. **Question figures**

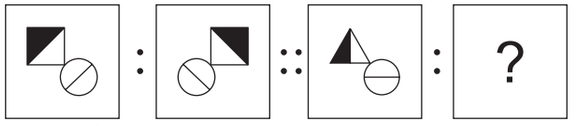


Answer figures

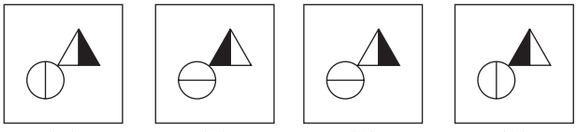


(A) (B) (C) (D)

19. **Question figures**

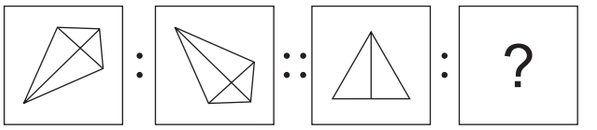


Answer figures

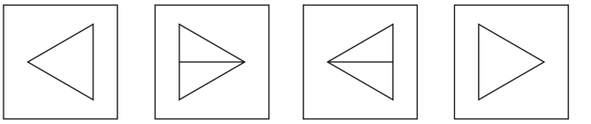


(A) (B) (C) (D)

20. **Question figures**



Answer figures



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

Geometrical Figure (Triangle, Square Circle)

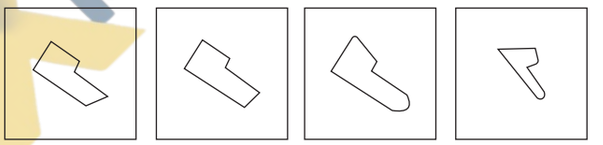
Direction (Q. No 21 to 24)

One part of a geometrical figure (Triangle, Square, Circle) is on thea above as question figure and the other one is among the four answer figures (A), (B), (C) and (D) on the below side. Find the figure on the below side that completes the geometrical figure.

21. **Question figure**

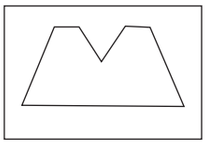


Answer figures

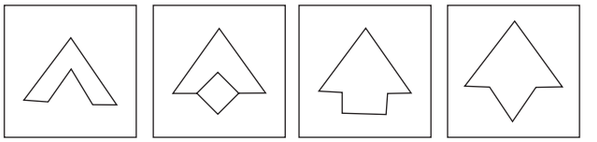


(A) (B) (C) (D)

22. **Question figure**

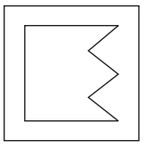


Answer figures



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

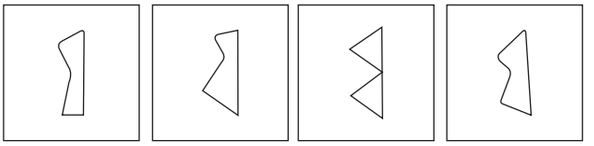
23. **Question figure**



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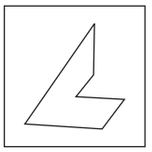
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Answer figures

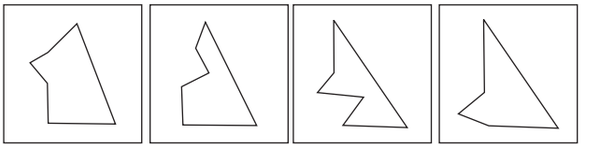


(A) (B) (C) (D)

24. Question figure



Answer figures



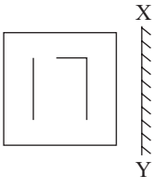
(A) (B) (C) (D)

Mirror Image

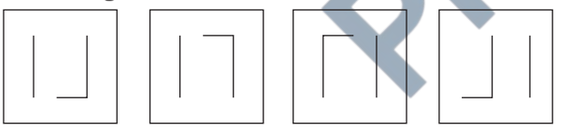
Direction (Q. No 25 to 28)

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

25. Question figure

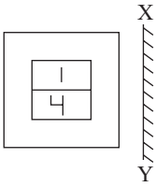


Answer figures

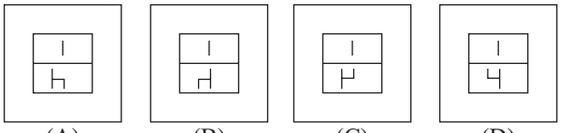


(A) (B) (C) (D)

26. Question figure

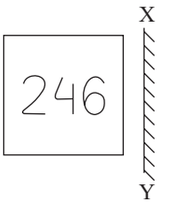


Answer figures

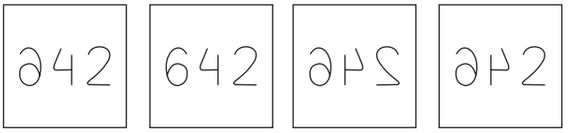


(A) (B) (C) (D)

27. Question figure



Answer figures

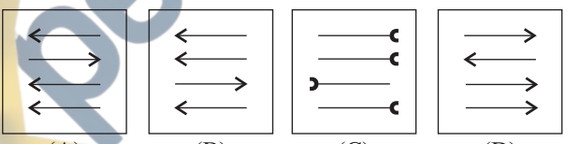


(A) (B) (C) (D)

28. Question figure



Answer figures



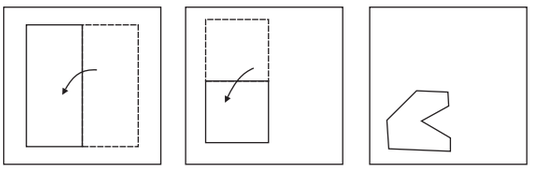
(A) (B) (C) (D)

Punched Hole Pattern Folding/Unfolding

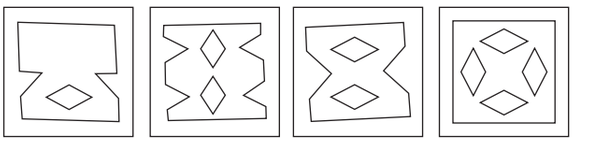
Direction (Q. No 29 to 32)

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

29. Question figures



Answer figures

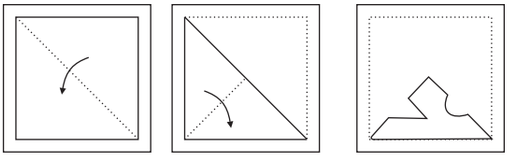


(A) (B) (C) (D)

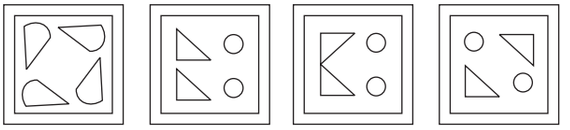
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30. Question figures

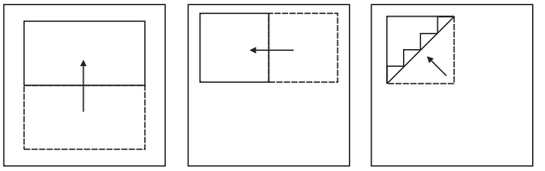


Answer figures

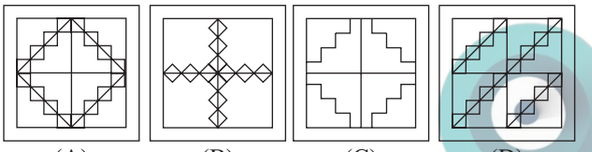


(A) (B) (C) (D)

31. Question figures

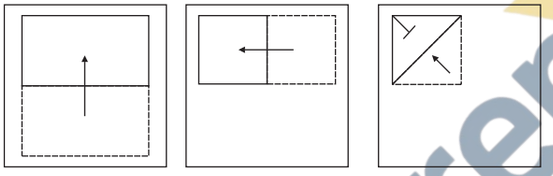


Answer figures

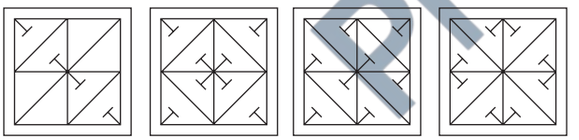


(A) (B) (C) (D)

32. Question figures



Answer figures



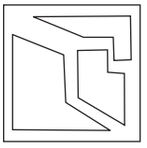
(A) (B) (C) (D)

Space Visualization

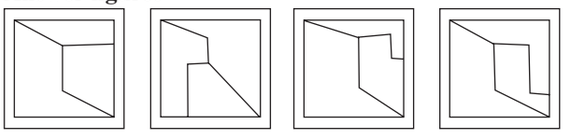
Direction (Q. No 33 to 36)

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 can be formed from the cut-out pieces given in the question figure.

33. Question figure

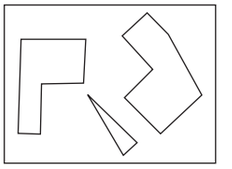


Answer figures

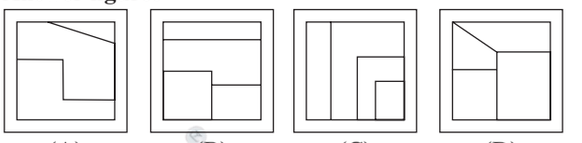


(A) (B) (C) (D)

34. Question figure

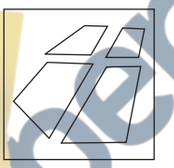


Answer figures

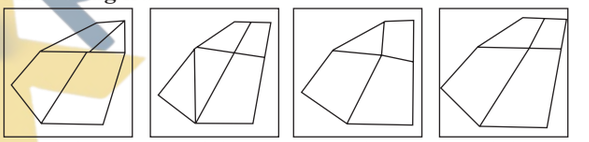


(A) (B) (C) (D)

35. Question figure

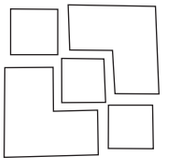


Answer figures

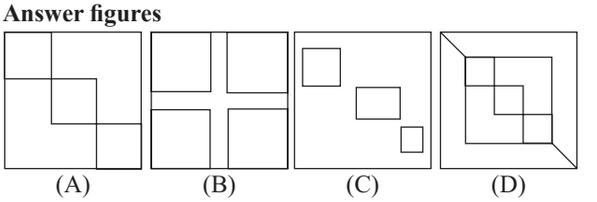


(A) (B) (C) (D)

36. Question figure



Answer figures



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

Embedded Figures

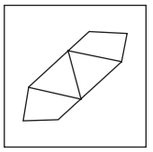
Direction (Q. No 37 to 40)

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.

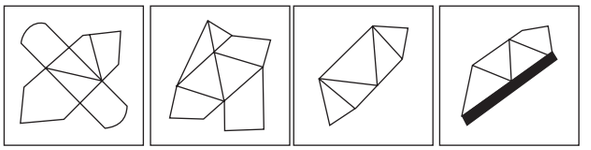
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37. Question figure

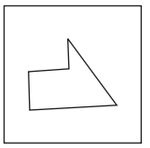


Answer figures

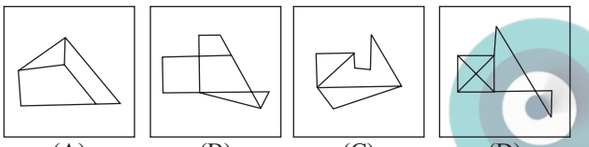


(A) (B) (C) (D)

38. Question figure

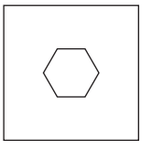


Answer figures

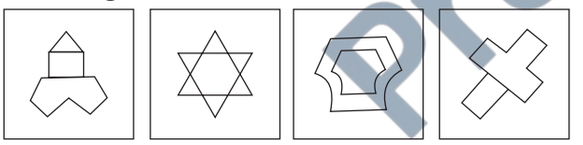


(A) (B) (C) (D)

39. Question figure

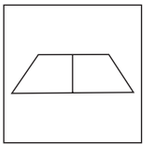


Answer figures

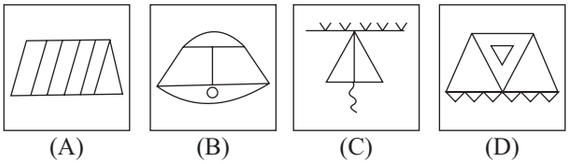


(A) (B) (C) (D)

40. Question figure



Answer figures



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

Section-II
Arithmetic Test

Number and Numeric System

41. The difference between the greatest and smallest 5-digit numbers formed using 2, 1, 9, 0 and 4 is :

(A) 92961 (B) 81720
(C) 83961 (D) 89000

Four Fundamental Operations on Whole Numbers

42. If A = 6, then $\frac{A}{A+4}+\frac{A+2}{12-2}-\frac{3}{10}$ is equal to :

(A) $\frac{9}{10}$ (B) 1
(C) $\frac{11}{10}$ (D) $\frac{13}{10}$

43. The product of two numbers is 384. If one number is 16, then the other number is :

(A) 6 (B) 12
(C) 18 (D) 24

44. 3.5 + 3.05 + 3.005 + 4 × 3.05 is equal to :

(A) 15.575 (B) 15.755
(C) 21.575 (D) 21.755

Factors and Multipels Including their Properties

45. The total number of factors of 36 are :

(A) 8 (B) 9
(C) 6 (D) 18

Decimals and Fundamental Operations on them

46. $\frac{248}{13}+\frac{168}{26}+\frac{513}{39}$ is equal to :

(A) $\frac{530}{13}$ (B) $\frac{503}{13}$
(C) $\frac{611}{13}$ (D) $\frac{539}{13}$

Conversion of Fractions to Decimal and Vice-Versa

47. Decimal 0.125 written in fraction form is :

(A) $\frac{125}{100}$ (B) $\frac{25}{2}$
(C) $\frac{1}{8}$ (D) $\frac{5}{4}$

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48. The decimal form of the fraction $\frac{152}{125}$ is :

(A) 12.16 (B) 1.216
(C) 1.0216 (D) 0.1216

49. The fraction equal to 12.0625 is :

(A) $\frac{195}{16}$ (B) $\frac{197}{16}$
(C) $\frac{193}{16}$ (D) $\frac{199}{16}$

Simplification of Numerical Expressions

50. $\frac{1}{7}[17 + 36 \times 3 \times 7 - 5 \times 2]$ is equal to :

(A) 114 (B) 113
(C) 107 (D) 109

Measurement of Length, Mass, Capacity Time, Money etc.

51. The number of bottles each of capacity 245 mL which can be filled from a can containing 14.7 litres of oil is :

(A) 50 (B) 60
(C) 65 (D) 70

52. 127 hours is equivalent to :

(A) 3 days 14 hours (B) 5 days 7 hours
(C) 6 days 1 hour (D) 7 days 2 hours

Profit and Loss

53. A shopkeeper bought some pencils at the rate of ₹ 48 per dozen and sold them at the rate of ₹ 4.50 per pencil. His profit per dozen is :

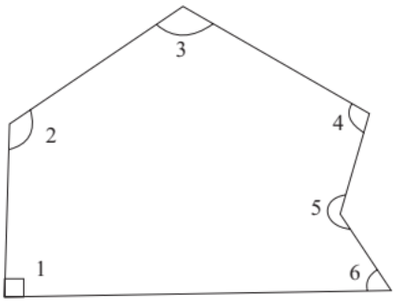
(A) ₹ 8 (B) ₹ 6
(C) ₹ 6.50 (D) ₹ 8.50

54. A shopkeeper gained $\frac{3}{5}$ of its cost price on selling a mobile phone for ₹ 6,000. The cost price of the mobile phone is :

(A) ₹ 3,500 (B) ₹ 3,750
(C) ₹ 4,000 (D) ₹ 4,250

Types of Angle and Its Simple Application

55. In the given figure. which of the angles are greater than a right angle ?



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

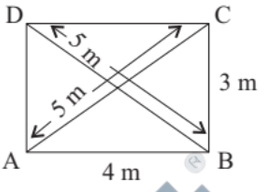
56. Measure of the angle between the directions North-East and South-East is :

(A) 180° (B) 90°
(C) 270° (D) 45°

57. The breadth of a floor of a room is 9 cm. It requires 7,500 tiles of 15 cm × 12 cm each to cover the floor. Length of the floor of the room (in metres) is :

(A) 9 (B) 10
(C) 12 (D) 15

58. Perimeter of rectangle ABCD is :



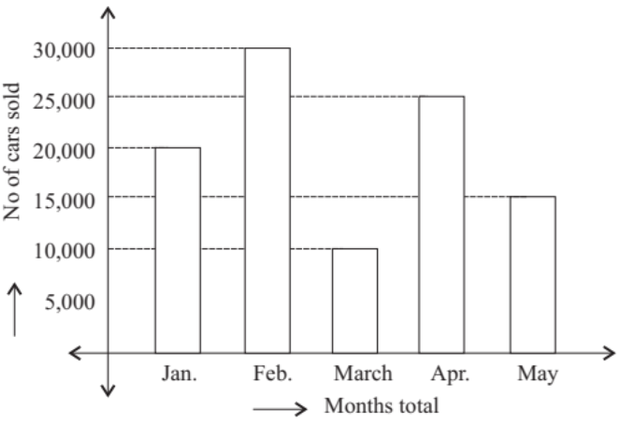
(A) 7 m (B) 14 m
(C) 19 m (D) 24 m

59. 11, 250 square tiles each of the side 20 cm have been paved in a rectnagular courtyard of length 25 m. The perimeter of the courtyard is :

(A) 18 m (B) 43 m
(C) 86 m (D) 172 m

Data Analysis Using Bar Diagram, Graph and Line Chart

60. The bar graph shows the number of cars sold.



From the given bar garph, total number of cars sold in the months of January, March and May is :

(A) 35,000 (B) 40,000
(C) 45,000 (D) 50,000

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Section-III
English Language

Comprehension (Unseen Passage)

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 passages answers are (A), (B), (C) and (D) are given. Only one out of these is correct.

Passage (1)

Nomads are a group of people, who dismantle their homes and move to a new place annually. Most groups of nomads make their homes in the desert where water sources run dry after a while. They live in makeshift tents that are both sturdy yet easily taken apart. When it is time to move, they put all their possessions on camels as they go in search of a new place.

They find their way about the endless expanse of sand with the help of the stars and the planets at night and footprints in the day.

Despite their primitive lifestyle, a hierarchical class structure exists among the community. Camels are considered as the symbols of prosperity. The hierarchical structure is based on the number of camels one possesses.

Nomadic life may seem to be without the complications of city life. Yet, they are beset with their own set of problems.

61. Why do nomads move to a new place ?

(A) They love to travel.

(B) Their homes are tents which can be dismantled.

(C) They depend on natural resources that exhaust fast.

(D) Their camels have to keep moving.

62. Which adjective can best describe the nomadic homes ?

(A) makeshift (B) tents

(C) sturdy (D) sandy

63. The hierarchical class structure is based of, _____.

(A) the size of the family

(B) the number of tents

(C) the number of camels

(D) the amount of work done

64. What guides the nomads to take a particular direction ?

(A) Maps (B) Camels

(C) Elderly people in the tribe (D) Stars and planets

65. What does the word 'beset' mean ?

(A) affected by (B) settle with

(C) solved (D) risk in

Passage (2)

Garbage is a great environment hazard. It breeds diseases. A lot of trash that is thrown away contains material that can be recycled and reused such as paper, metals and glass which can be sent to the nearest recycling centre or disposed off to the junk dealer. It also contains organic matter such as leaves which can enrich soil fertility. A compost pit can be made at a convenient location where the waste can be placed with layers of soil and an occasional sprinkling of water. This would help decomposition to make valuable fertilizer. This would also prevent pollution which is usually caused by burning such organic waste.

66. Which of the following words is a synonym of 'hazard' ?

(A) trash (B) threat

(C) junk (D) dispose

67. Which of the following materials cannot be recycled ?

(A) Paper (B) Glass

(C) Metal (D) Plastic

68. Which of the following is not an advantage of making a compost pit ?

(A) It prevents pollution.

(B) The leaves in a compost pit can make the soil fertile.

(C) It makes our surroundings beautiful.

(D) It creates valuable fertilizer.

69. Which of the following words is an antonym of the word 'valuable' ?

(A) enrich (B) useless

(C) organic (D) disposed

70. What happens to the disposed material at the recycling centre ?

(A) It is thrown away.

(B) It is processed for reuse.

(C) It is sold to the rag pickers.

(D) It is dumped into the ground.

Passage (3)

Dogs are very intelligent animals. Their ability to smell things is many times greater than that of humans. They can easily identify the sniffed thing by smelling it again. Dogs are also used to detect explosives due to their high smelling ability. Their hearing power is five times more than that of humans. Dogs are deaf, blind and toothless when they are born. They like to live in groups, but some prefer to live alone. The breed of dog, Alaskan Malamute, has the ability to withstand temperatures up to – 70 degrees.

Of course, when dogs are cared for properly and treated with respect, they can be incredibly loving, playful, intelligent companions.

71. Dogs are used by bomb-disposal squads because _____.

(A) they have good hearing power

(B) they can detect explosives due to their smelling ability

(C) they are good friends

(D) they are quite loyal and faithful

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72. The 'Alaskan malamute' can live in extreme cold climatic conditions because it _____.
(A) needs a lot of care
(B) can withstand hot and humid weather
(C) can withstand temperatures up to – 70 degrees
(D) is deaf, blind and toothless

73. Dogs also need to be treated with respect because _____.
(A) they are living beings
(B) they cannot speak and are deaf
(C) they can be loyal servants to human beings
(D) they can be faithful companions to human beings

74. The antonym of 'faithful' is _____.
(A) deveted (B) unhesitating
(C) undependable (D) dedicated

75. The most appropriate meaning of 'incredible' is _____.
(A) impossible to believe (B) likely to happen
(C) believable (D) inability to hear

Passage (4)

Birds play a very important part in our environment and are an essential part of our food chain. They help maintain a perfect balance of nature. In forests, for example, some birds feed on plants whereas others survive on small insects and earthworms. Birds and bird eggs, in turn, serve as food for bigger animals such as foxes and snakes. Such food habits and relationships prevent any one species from becoming too large.
Besides being part of food chain, birds play other important roles too. By eating insects, they protect plants against pests. Some nectar feeding birds are called pollinators because when they sit on a flower to suck nectar, some pollen gets stuck to their bodies which drops off on another flower when they sit on it. In this way they help create new plants.

76. Which of the following is the correct order of the food chain?
(A) Birds — insects and earthworms — foxes and snakes — bird eggs
(B) Bird eggs — birds — small insects and earthworms — foxes and snakes
(C) Insects and earthworms — foxes and snakes — bird eggs — birds
(D) Insects and earthworms — birds — bird eggs — foxes and snakes

77. By eating plants and other animals or insects, birds help to maintain _____.
(A) Eco belance (B) Food chain
(C) Forests (D) Relationships

78. In the passage, _____ have been referred to as 'pollinators'.
(A) Insects (B) Flowers
(C) Birds (D) Snakes

79. Which pair of words used in the passage have a similar meaning?
(A) essential/important (B) essential/perfect
(C) important/balance (D) Important numerous

80. Birds help in all of the following areas except in :
(A) maintaining balance in the ecosystem.
(B) protecting plants against pests.
(C) helping in cross-pollination.
(D) helping produce honey.