

Class – 6thSAMPLE PAPERSECTION-A (REASONING)

- If 'diamond' is called 'gold', 'gold' is called 'silver', 'silver' is called 'ruby' and 'ruby' is called 'emerald', which is 'golden yellow metal'?  
(a) Diamond (b) silver (c) Gold (d) Ruby
- In certain code 'COURT' is written as 5%@38 and TILE is written as 8©\$4. How is CITE written in that code?  
(a) 5\$84 (b) 5%84 (c) 5©84 (d) 3©84
- Choose the word which is least like the other words in the group.  
(a) Apple (b) Carrot (c) Orange (d) Guava

Direction for Question 4 to 6: Find the missing term in the following series.

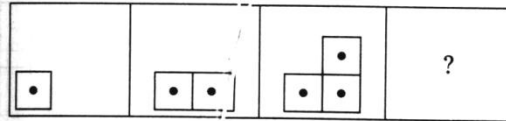
- 4, 9, 16, 25, 36, 49, ...?....  
(a) 64 (b) 212 (c) 102 (d) 216
- 6, 9, 18, 21, 42, 45, ....?,...  
(a) 90 and 91 (b) 90 and 92 (c) 90 and 93 (d) 90 and 94
- AZ, GT, MN, ...?.., YB  
(a) KF (b) RX (c) SH (d) TS
- In the series given below, how many 8's are there which are exactly divisible by its immediate preceding as well as succeeding numbers?  
2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6  
(a) One (b) Two (c) Three (d) Four
- Pointing to a photograph, a woman says, "This man's son's sister is my mother". How is the woman related to the man in the photograph?  
(a) Daughter (b) Mother (c) Granddaughter (d) Mother-in-law
- Umesh goes 30 m South, then turns left and walks 40 m, then again turns left and walks 20 m, then again turns left and walks 40 m. How many metres is he from his original position?  
(a) 0 (b) 10 (c) 20 (d) 40
- Insert the missing letter or numerical value in following questions  
(a) N (b) O (c) P (d) Q

A	F	K
C	H	M
F	K	?

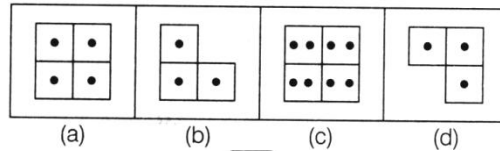
11. Sixty students were there in a mental ability test. Ten students did not qualify, out of remaining Yogesh ranked 25th from the last. What was his rank from top?  
 (a) 27th (b) 26th (c) 29th (d) 28th

12. Select a figure from amongst the answer figures which will continue the same series as given in the problem figures.

**Problem Figures**

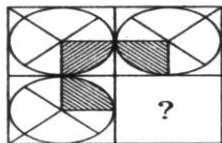


**Answer Figures**

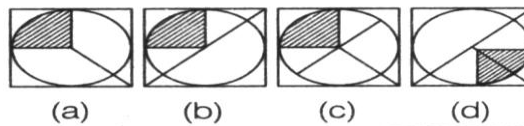


13. Complete the figure

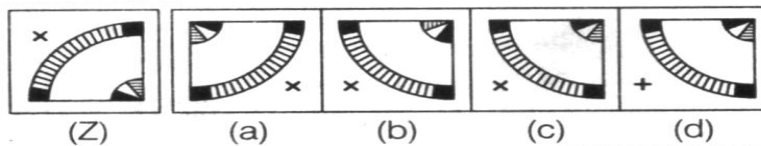
**Problem Figure**



**Answer Figures**

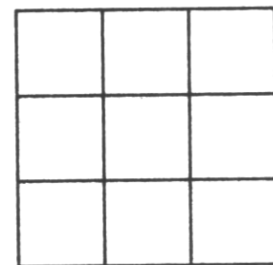


14. Choose the correct water image of the figure (Z) from amongst the four alternatives (a), (b), (c) and (d) given along with it



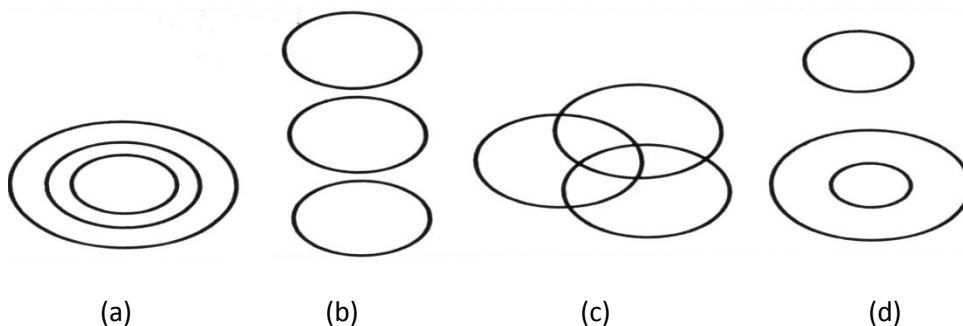
15. How many squares are present in the given figures?

- (a) 9 (b) 10  
 (c) 11 (d) 14



16. Which of the following diagrams correctly represents?

**Dogs, Cows, Pigeons**



17. Find the odd one from the given series  
2, 3, 5, 7, 9, 13  
(a) 3 (b) 5 (c) 9 (d) 13
18. Arrange the following words in the order as they come in dictionary and find the word that comes first  
(a) Regular (b) Regret (c) Register (d) Regard
19. In the question the first unit contains two figures and the second unit one figure and a Blank box. You have to find out which one of the answer figures marked (A) to (D) should be in the blank space.



20. Choose the mirror image of the words given below

BR4AQ16HI

(A) IH91QA4RB

(C) IH91QA4RB

(B) IH61QA4RB

(D) BR4AQ16HI

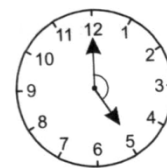
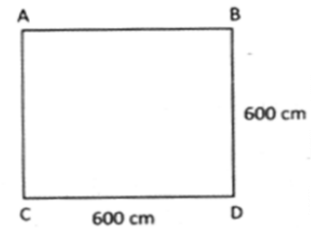
### SECTION-B (MATHEMATICS)

21. Simplify :  $4 \{ (3x + 5x) - 2x \} = 18$   
(a)  $\frac{3}{4}$  (b)  $\frac{2}{3}$  (c)  $\frac{4}{7}$  (d)  $\frac{3}{7}$
22. What fraction does P represents on the number line given below?
- 
- (a)  $\frac{6}{7}$  (b)  $\frac{7}{6}$  (c)  $\frac{7}{11}$  (d)  $\frac{11}{7}$
23. Find the total weight of the following goods.

Goods	Weights
A music system	15.007 kg
A television set	18.465 kg
Bedding	55.600 kg

- (a) 79.104 kg (b) 97.505 kg (c) 89.072 kg (d) 78.678 kg

24. Find first five consecutive even numbers.
- (a) 2, 6, 8, 12, 24 (b) 2, 4, 6, 8, 10 (c) 2, 4, 10, 14, 16 (d) 2, 6, 8, 10, 12
25. Three men are having the money in the ratio of 2 : 3 : 5. Find the amount of money from each of them, if the sum of money is Rs. 5600.
- (a) Rs. 1120, Rs. 1680 & Rs. 2800 (b) Rs. 1220, Rs. 1780 & Rs. 3800  
(c) Rs. 1020, Rs. 1640 & Rs. 2900 (d) Rs. 3120, Rs. 2680 & Rs. 1800
26. Which one of the following is coefficient of  $y$  in the expression  $2 - 3y + z$  ?
- (a) 2 (b) 1 (c) -3 (d) -1
27. In the options given below the pair of angles are given. Find the complementary pair.
- (a)  $51^\circ$  and  $25^\circ$  (b)  $61^\circ$  and  $29^\circ$  (c)  $45^\circ$  and  $55^\circ$  (d)  $65^\circ$  and  $35^\circ$
28. Find the area and perimeter of a square whose side is 600 cm.
- (a)  $36 \text{ m}^2$ , 24 m (b)  $15 \text{ m}^2$ , 6m  
(c)  $44 \text{ m}^2$ , 5m (d)  $48 \text{ m}^2$ , 6 m
29. The India gate is symmetrical about its how many line (s) of symmetry?
- (a) Two (b) One (c) Three (d) Four
30. Expanded form of 37034 is .....
- (a)  $3000 + 700 + 0 + 30 + 4$  (b)  $30000 + 700 + 0 + 10 + 4$   
(c)  $30000 + 1000 + 0 + 70 + 4$  (d)  $30000 + 7000 + 0 + 30 + 4$
31. Which of the following properties are NOT applicable to the subtraction of whole numbers?
- (a) Closure property (b) Commutative property  
(c) Associative property (d) All of these
32. The HCF of two numbers is 28 and their LCM is 336. If one number is 112, then the other number is.....
- (a) 64 (b) 84 (c) 34 (d) 92
33. The basic elements of a triangle are .....
- (a) 3 vertices (b) 3 sides (c) 3 angles (d) All of these
34. Which angle is shown by the hands of the clock in the given figure?
- (a) acute (b) right  
(c) obtuse (d) reflex



35. Three equivalent fractions of  $\frac{2}{3}$  are .....






- (a)  $\frac{2}{6}, \frac{3}{6}, \frac{4}{12}$       (b)  $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}$       (c)  $\frac{3}{6}, \frac{7}{6}, \frac{8}{12}$       (d)  $\frac{4}{6}, \frac{8}{6}, \frac{3}{6}$

36.  $2 + \frac{1}{100} + \frac{3}{1000} = \dots\dots\dots$

- (a) 0.213      (b) 2.13      (c) 2.013      (d) 2.130

37. The Delhi School's football team washed cars every Saturday for a month to raise money for the local children's hospital. The students charged Rs. 5 for each car they washed. The pictograph below shows the total number of cars washed by the team. What is the total amount of money raised by the football team?

Car Wash Fundraiser

Saturday	Number of Cars Washed
1	
2	
3	
4	
Key  = 10 Cars	

- (a) Rs. 120      (b) Rs. 300  
(c) Rs. 550      (d) Rs. 600

38. If the area of the rectangle is  $16\text{m}^2$ , then which dimensions may not be possible for rectangle?

- (a) Length = 8 m, breadth = 2 m      (b) Length = 16 m, breadth = 1 m  
(c) Length = 32 m, breadth =  $\frac{1}{2}$  m      (d) Length = 8.5 m, breadth = 2 m

39. In  $6(2a - 1) + 8 = 14$ , the value of 'a' is .....

- (a) -1      (b)  $3\frac{1}{12}$       (c)  $\frac{4}{10}$       (d) 1

40. In a  $\triangle ABC$ , if  $3\angle A = 4\angle B = 6\angle C$ , then  $\angle A$ ,  $\angle B$  and  $\angle C$  respectively, are

- (a)  $70^\circ, 70^\circ, 40^\circ$       (b)  $80^\circ, 60^\circ, 40^\circ$       (c)  $60^\circ, 60^\circ, 60^\circ$       (d)  $75^\circ, 45^\circ, 60^\circ$

### SECTION - C (SCIENCE)

41. The animal 'Crocodile' belongs from which one of the following categories?

- (a) Herbivores      (b) Carnivores      (c) Omnivores      (d) All of these

42. Choose the omnivores from the following.

- (a) Tiger shark      (b) King cobra      (c) Horse      (d) Ant

43. Tea leaves are separated from tea using a tea-strainer. This method of separation is known as:

- (a) Distillation (b) Decantation (c) Filtration (d) Loading
44. Which one of the following is an example of heterogeneous mixture?
- (a) Milk (b) Blood (c) Air (d) Muddy water
45. Which one of the following is an example of marine habitats?
- (a) Ocean (b) Seas (c) Ponds (d) Both (a) and (b)
46. Lion is an animal which lives in \_.
- (a) Desert habitat (b) Mountain habitat (c) Grassland habitat (d) Rain forest habitat
47. Which type of force is experienced when a south pole of a magnet is brought near the south pole of another magnet?
- (a) Force of attraction (b) Force of repulsion  
(c) No force is experienced (d) Both A and B
48. The region where strongest force of magnetism is experienced is called:
- (a) Poles (b) Center (c) Magnetic field (d) All of these
49. A student saw a ball with three shadows and made a few conclusions about how they were formed.
- (a) The ball was placed between two sources of light.  
(b) The ball was being rotated under a light source.  
(c) The ball was placed under a light source at three different positions.  
(d) Three sources of light from different positions were shown on the ball.
50. A compass-needle always points to the north as
- (a) It is made of a magnetic material.  
(b) It is a magnet with the pointer as the south seeking pole.  
(c) It is a magnet with the pointer as the north seeking pole.  
(d) It is an electromagnet that is charged by rubbing when the needle is turning.
51. Identify the property of copper.
- (a) Conducts heat (b) Floats on water (c) Elastic (d) Absorbs water
52. A solid substance 'X' was placed in the sun for 2 hours. It melted and became a liquid. What could 'X' be?
- (a) A plastic bucket (b) A metal spoon (c) A bar of chocolate (d) A rubber band
53. Part of our balance diet which is neither body building nor energy providing but still important for proper functioning of our body is

- (a) Protein (b) Carbohydrates (c) Vitamin (d) Fat.
54. Which one of the following is a food producer?  
(a) Mushroom (b) Algae (c) Yeast (d) Amoeba
55. Sea food especially seaweeds are rich source of which of the following minerals?  
(a) Calcium (b) Phosphorus (c) Iodine (d) Iron
56. Which of the following options contains food obtained from roots of the plant?  
(a) Spinach, cabbage, coriander (b) Potato, mango, broccoli  
(c) Sugarcane, onion, beetroot (d) Radish, turnip, carrot
57. Cactus plant grows in the desert where there is scarcity of water. To prevent loss of water from the surfaces, leaves are modified to become spines. Then, which part of the cactus plant performs photosynthesis?  
(a) Spines (b) Roots (c) Flowers (d) Stem
58. Which of the following statements is/are correct?  
(i) The soft substance present inside the bones is called bone marrow.  
(ii) Floating ribs are the last three pairs of the ribs that are not joined to the breastbone.  
(iii) The only movable bone in skull is the upper jaw bone.  
(iv) The longest bone in the body is humerus.  
(a) (iii) only (b) (i) only (c) (i) and (ii) (d) (iii) and (iv)
59. A magnet can be made weaker by  
(a) Keeping it wrapped in cotton wool (b) Using it as a hammer  
(c) Keeping it in a cool room (d) Playing with it
60. You should not store a floppy disk near a magnet because \_\_\_\_\_.  
(a) The magnet will rust (b) The magnet will become weaker  
(c) The information in the disk may be erased  
(d) The magnet will break the disk

**ANSWER KEY**

- |       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1. B  | 2. C  | 3. B  | 4. A  | 5. C  |
| 6. C  | 7. B  | 8. C  | 9. B  | 10. C |
| 11. B | 12. A | 13. C | 14. C | 15. D |
| 16. B | 17. C | 18. D | 19. D | 20. A |
| 21. A | 22. A | 23. C | 24. B | 25. A |
| 26. C | 27. B | 28. A | 29. B | 30. D |
| 31. D | 32. B | 33. D | 34. C | 35. B |
| 36. C | 37. D | 38. A | 39. D | 40. B |
| 41. B | 42. D | 43. C | 44. D | 45. D |
| 46. C | 47. B | 48. A | 49. D | 50. C |
| 51. A | 52. C | 53. C | 54. A | 55. C |
| 56. D | 57. D | 58. B | 59. B | 60. C |

