

## **SAMPLE PAPER FOR 6<sup>TH</sup> CLASS**

**Time: 1 Hr**

**Max Marks : 200**

**THE TEST CONSISTS OF TWO SECTIONS : (TOTAL 50 QUESTIONS)**

**SECTION A : MAT**

**20 Questions**

**SECTION B : SAT**

**30 Questions**

### **INSTRUCTIONS TO CANDIDATE**

- Each subject in this paper consists of multiple choice questions with only one correct answer. **+4 marks** will be awarded for correct answer and there is no negative marking.
- Please read the instructions given for each question carefully and fill the correct answer against the question numbers on the answer sheet in the respective subject.
- Use blue or black ball point pen or H.B. pencil to darken the appropriate circle & mark should completely fill the circle.
- The Question paper contains blank spaces for your rough work. No additional sheet will be provided for rough work.
- Blank papers, Clipboards, Log Tables, Slide rule, Calculators, Cellular phones, Pagers and Electronic gadgets in any form are not allowed.
- Write your Name, Roll Number in the block at the top of the Answer Sheet. Also write your Name & Registration No. in the space provided on this cover page of question paper.
- **This test paper is just an indicative of the actual test, The pattern of the actual test may vary.**

Name: \_\_\_\_\_ Students ID: \_\_\_\_\_

**SECTION - A (MAT)**

1. Find the next number in the series 3, 9, 10, 30, 31, \_\_\_\_\_ .  
 (A) 93 (B) 96  
 (C) 99 (D) 67
2. AIU, CKW, \_\_\_\_\_, GOA  
 (A) EMY (B) ENY  
 (C) EKY (D) EGS
3. Gum : Stick :: Needle : \_\_\_\_\_  
 (A) Cloth (B) Prick  
 (C) Tailor (D) Stitch

**Directions (Q. 4):** In the question below, two pairs of numbers are given but one number in the second pair is missing. Identify the relationship between the two numbers in the first pair and find the missing number in the second pair such that the numbers in the second pair also follow the same relationship.

4. 25 : 5 :: 36 : \_\_\_\_\_ .  
 (A) 30 (B) 25  
 (C) 20 (D) 6
5. Find the odd one among the following.  
 (A) 17 (B) 27  
 (C) 37 (D) 47
6. In a certain code language, if the word “CREATIVE” is coded as TIVECREA, then how is the word “ACTION” coded in that language ?

- (A) NOCIAT (B) NOIACT  
 (C) NOAICT (D) IONACT
7. If “CARE” = 16 and “RESPECT” = 49, then what is the value of “NERVOUS” ?  
 (A) 68 (B) 49  
 (C) 40 (D) 64
8. In the following sequence, how many 7's are there which are immediately preceded by 5 and immediately followed by 4 ?  
 1 5 7 3 4 7 5 7 4 8 5 7 4 3 2 1 7 7 1 5 7 9 1 7 4  
 (A) 2 (B) 4  
 (C) 3 (D) 1
9. Find the number which should come in place of the question mark (?).

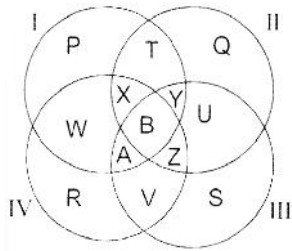
|    |    |    |
|----|----|----|
| 7  | 4  | 8  |
| 16 | 10 | ?  |
| 23 | 14 | 26 |

- (A) 26 (B) 18  
 (C) 34 (D) 42
10. A person travels 12 km towards the east and then travels 5 km towards the left. How far and in what direction is he from the original point ?  
 (A) 17 km, North-east (B) 13 km, North-east  
 (C) 17 km, South-west (D) 17 km, South-east
11. How is my Father's sister's son's sister related to me ?  
 (A) Niece (B) Sister  
 (C) Aunt (D) Cousin



*Space for Rough work*

**Directions (Q. 12-13):** These questions are based on the following diagram. Study the diagram and its information given below it. Choose the correct alternative given below each question and mark the number of that choice as your answer.



Circle I represents the people who eat Vanilla ice cream.

Circle II represents the people who eat Tuti-Fruity ice cream.

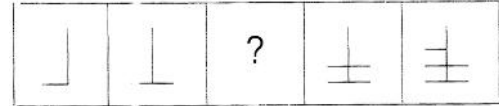
Circle III represents the people who eat Butter Scotch ice cream.

Circle IV represents the people who eat cornetto ice cream.

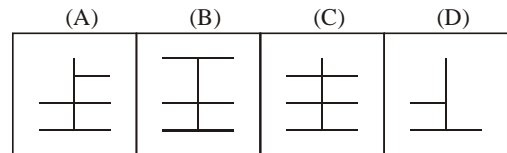
12. Which of the following represents the people who eat Vanilla ice cream as well as Tuti-Fruity but not any other ice cream ?
- (A) T (B) P  
(C) Q (D) P and Q
13. Which of the following represents the people who eat all the four ice cream ?
- (A) A (B) V  
(C) B (D) Z

**Directions (Q. 14):** In the following question, there are two sets of figures. The figures on the left are problem figures. (four figures and one question marked space) and those on right are answer figures indicated by numbers (A), (B), (C), (D). A series is established if one of the four answer figures is placed at the “question marked space”. The number of the answer figure which should be placed in the question-marked space is the answer.

14. Problem figures

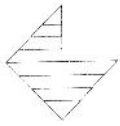


Answer figures

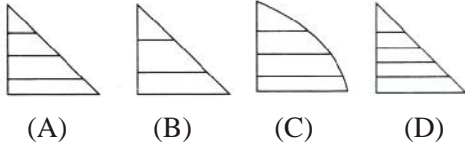


**Directions (Q. 15):** This question is designed to check the students ability of identifying different figures and quadrants in a figure. In these questions a problem figure is given out of which a portion or a quadrant is missing, followed by four Answer figures (A), (B), (C), (D). The student has to complete that missing portion by selecting from the four Answer figures.

15. Problem figure

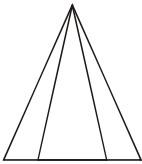


Answer figures



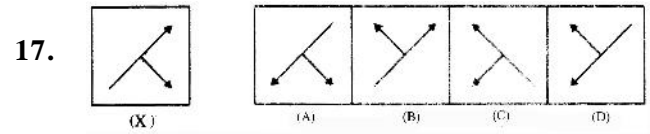
Directions (Q. 16): Count the number of triangles in the given figure.

16.

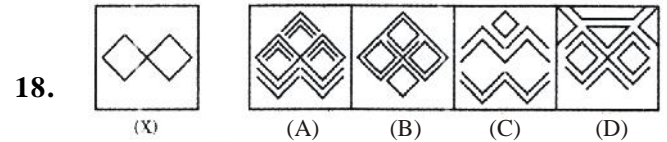


- (A) 6 (B) 8  
(C) 10 (D) 4

Directions (Q 17) : In of the following question, choose the correct mirror-image of the Figure. (X) from amongst the four alternatives (A), (B), (C) and (D) given along with it.



Directions (Q. 18): In each of the following questions, figure (X) is embedded in any one of the four alternative figures (A), (B), (C) or (D). Find the alternative which contains figure (X) as its part.



19. Which of the following words will come second in the English dictionary ?  
 (A) Magical (B) Magnify  
 (C) Maternal (D) Magnetic
20. If L stands for +, M stands for -, N stands for x, P stands for  $\div$ , then  
 $14 N 10 L 42 P 2 M 8 = ?$   
 (A) 153 (B) 216  
 (C) 248 (D) 251



Space for Rough work

SECTION - B (SAT)

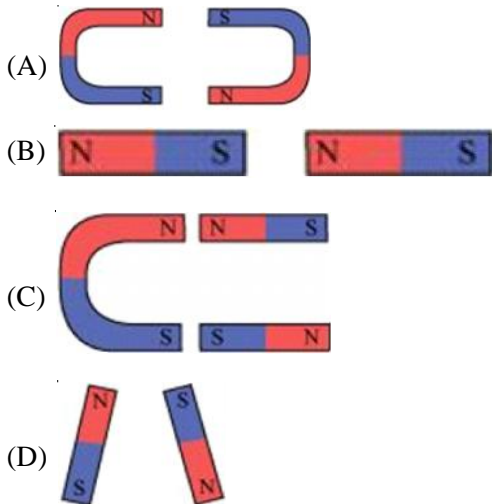
21. I and II are the biotic components of an aquatic habitat. The information in which alternative completes the given statement?

|     | I     | II    |
|-----|-------|-------|
| (A) | Frog  | water |
| (B) | Water | light |
| (C) | Light | lotus |
| (D) | Lotus | frog  |

22. Which of the following food items consumed by the people of Andhra Pradesh is a vegetable item?

- |                   |                  |
|-------------------|------------------|
| (A) Rice          | (B) <i>Rasam</i> |
| (C) <i>Kundru</i> | (D) Buttermilk   |

23. In which of the following cases, will there be repulsion in between the given magnets?



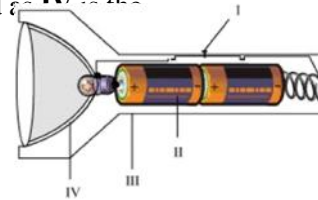
24. I have branches arising from their base, while II have branches arising from their upper parts, several metres above the ground. The information in which alternative completes the given statement?

|     | I        | II       |
|-----|----------|----------|
| (A) | Herbs    | shrubs   |
| (B) | Shrubs   | trees    |
| (C) | Trees    | climbers |
| (D) | Climbers | herbs    |

25. Which of the following statements about earthworms is correct?

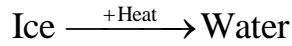
- (A) They move with the help of a muscular foot.  
 (B) They move with the help of muscles attached to their bones.  
 (C) They move with the help of muscles that help to extend and shorten their bodies.  
 (D) They move with the help of muscles that help in folding their bodies into several loops.

26. The given figure shows the labelled diagram of a simple torch. The part of the given torch that is labelled as IV is the



- |                  |                     |
|------------------|---------------------|
| (A) cell         | (B) reflector       |
| (C) slide switch | (D) metallic casing |

27. Which term is used to describe the given physical change?



- (A) Boiling (B) Melting  
(C) Freezing (D) Condensing

28. Cotton fibre is obtained from the I of the cotton plant, while jute fibre is obtained from the II of the jute plant. The information in which alternative completes the given statement?

- |     |          |           |
|-----|----------|-----------|
|     | <b>I</b> | <b>II</b> |
| (A) | fruit    | stem      |
| (B) | stem     | fruit     |
| (C) | flower   | stem      |
| (D) | stem     | flower    |

29. Deserts are very hot throughout the day and receive very less rainfall annually. Which of the following adaptations will ensure the survival of a plant in deserts?

- (A) Waxy coating on leaves  
(B) Thick broad leaves  
(C) Drooping branches  
(D) Flexible stem

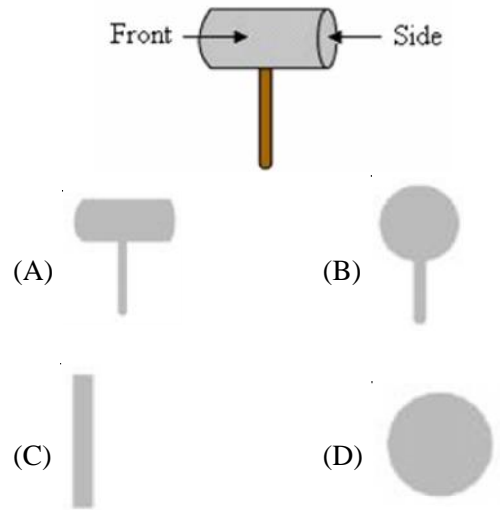
30. Which of the following animals feeds on grass?

- (A) Cat (B) Dog  
(C) Eagle (D) Rabbit

31. Vitamin D works along with calcium to prevent the thinning of bones. Vitamin D can be obtained from

- (A) wheat germ (B) potatoes  
(C) egg yolk (D) tomatoes

32. If light was shone sideways on the object shown below, then its shadow would be formed as



33. Which table correctly matches the parts of a plant with its respective function?

|     | <b>Plant Part</b> | <b>Function</b>         | <b>Plant Part Function</b> |
|-----|-------------------|-------------------------|----------------------------|
| (A) | Root              | Preparation of food     |                            |
|     | Stem              | Anchoring the plant     |                            |
|     | Leaf              | Absorption of nutrients |                            |
|     | Flower            | Sexual reproduction     |                            |
| (B) | Root              | Sexual reproduction     |                            |
|     | Stem              | Preparation of food     |                            |
|     | Leaf              | Anchoring the plant     |                            |
|     | Flower            | Absorption of nutrients |                            |
| (C) | Root              | Absorption of nutrients |                            |
|     | Stem              | Anchoring the plant     |                            |
|     | Leaf              | Preparation of food     |                            |
|     | Flower            | Sexual reproduction     |                            |
| (D) | Root              | Sexual reproduction     |                            |
|     | Stem              | Preparation of food     |                            |
|     | Leaf              | Absorption of nutrients |                            |
|     | Flower            | Anchoring the plant     |                            |

34. The flow of water from Earth's surface into water bodies is known as

- (A) run-off (B) transpiration  
(C) evaporation (D) precipitation

35. Which of the following methods is used to separate salt from sea water?

- (A) Sieving (B) Filtration  
(C) Winnowing (D) Evaporation

36. The muscular system helps the body in movement. In conducting the movements of the body, the muscular system is supported by the

- (A) skeletal system (B) digestive system  
(C) excretory system (D) circulatory system

37. Which of the following materials is a good conductor of electricity?

- (A) Plastic (B) Cork  
(C) Soil (D) Iron

38. The motion of the tires of a bicycle is I, while the bicycle's motion is II. The given statement is correctly completed by row

**I**                      **II**

- (A) linear              circular  
(B) circular           linear  
(C) linear              wavelike  
(D) wavelike           linear

39. The given table lists the effect of change in temperature on the physical state of a liquid.

| Temperature | Physical change |
|-------------|-----------------|
| Increase    | Liquid will -I  |
| Decrease    | Liquid will -II |

Which row correctly completes the given table?

**I**                      **II**

- (A) Boil                      Freeze  
(B) Freeze                      Sublime  
(C) Sublime                      Boil  
(D) Freeze                      Sublime

40. Which of the following materials is opaque?

- (A) Air                                      (B) Wood  
(C) Water                                      (D) Glass

41. Plants also consume oxygen for respiration similar to animals. It is said that trees should not be cut down in order to maintain the balance of oxygen in the atmosphere because

- (A) animals take more oxygen than plants  
(B) plants release more oxygen than what they take  
(C) animals release more oxygen than what they take  
(D) plants recharge the soil with oxygen dissolved in soil

42. The type of motion described by the girl swinging on the swing is

- (A) linear                                      (B) circular  
(C) periodic                                      (D) random

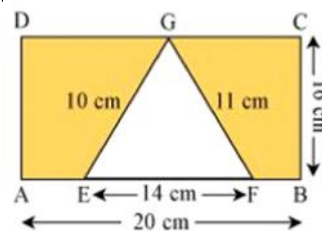
43. A girl had three burgers. She ate two burgers and then divided the last burger into four equal parts and ate three of those parts. How many burgers did she eat?

- (A)  $\frac{3}{4}$                       (B)  $\frac{7}{4}$                       (C)  $\frac{9}{4}$                       (D)  $\frac{11}{4}$



Space for Rough work

44. What is the decimal representation of the fraction  $1\frac{7}{40}$ ?
- (A) 1.025                      (B) 1.075  
(C) 1.125                      (D) 1.175
45. Rahul scored 96 marks out of 100 marks in a Mathematics test and 79 marks out of 100 marks in a Science test. What is the ratio of total marks obtained by Rahul in both the subjects to that of maximum marks?
- (A) 7:8                          (B) 9:10  
(C) 17:20                      (D) 33:40
46. What is the successor of the greatest negative integer?
- (A) -1                          (B) 0  
(C) 1                            (D) 2
47. The area of a playground is  $300 \text{ m}^2$ . The length of the playground is 2,000 cm. The width of the playground is
- (A) .15 m                      (B) 15 m  
(C) .15 cm                      (D) 15 cm
48. The number of shirts with A is four more than half the number of shirts with B. If A has  $s$  shirts, then which of the following expressions gives number of shirts with B?
- (A)  $s/2 + 4$                       (B)  $2(s-4)$   
(C)  $4(s-2)$                       (D)  $s/2 - 4$
49. For a rectangle with integral lengths of sides and  $196 \text{ m}^2$  area, the minimum perimeter is obtained by taking the length of the rectangle as
- (A) 4 m                          (B) 7 m  
(C) 14 m                          (D) 28 m
50. The given figure shows a rectangle ABCD such that  $\triangle EFG$  has been cut out of the rectangle. The perimeter of the remaining portion of the rectangle is



- (A) 52 cm                      (B) 75 cm  
(C) 85 cm                      (D) 79 cm

## ANSWER KEY

### SECTION - A (MAT)

- |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.  | (A) | 2.  | (A) | 3.  | (D) | 4.  | (D) | 5.  | (B) | 6.  | (D) |
| 7.  | (B) | 8.  | (A) | 9.  | (B) | 10. | (B) | 11. | (D) | 12. | (A) |
| 13. | (C) | 14. | (D) | 15. | (A) | 16. | (A) | 17. | (C) | 18. | (A) |
| 19. | (D) | 20. | (A) |     |     |     |     |     |     |     |     |

### SECTION - B (SAT)

- |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 21. | (C) | 22. | (C) | 23. | (C) | 24. | (B) | 25. | (C) | 26. | (B) |
| 27. | (B) | 28. | (A) | 29. | (A) | 30. | (D) | 31. | (C) | 32. | (B) |
| 33. | (C) | 34. | (A) | 35. | (D) | 36. | (A) | 37. | (D) | 38. | (B) |
| 39. | (A) | 40. | (B) | 41. | (B) | 42. | (C) | 43. | (D) | 44. | (D) |
| 45. | (A) | 46. | (B) | 47. | (B) | 48. | (B) | 49. | (C) | 50. | (D) |