



SATISH CHANDRA MEMORIAL SCHOOL
METRER LEVEL I EXAMINATION 2024-25
STD VIII

MM: 40

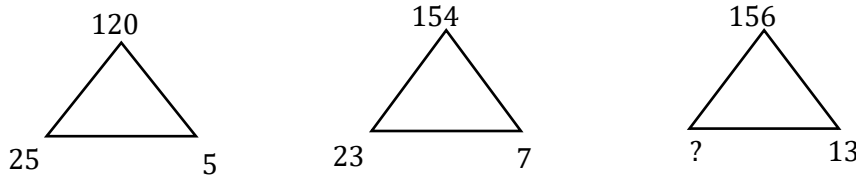
TIME: 3/4 HR

GENERAL INSTRUCTIONS:

- >> All questions are compulsory.
- >> Each of the 40 questions carries 1 mark each.
- >> Read all questions carefully before answering.
- >> This question paper consist 40 reasoning based questions.

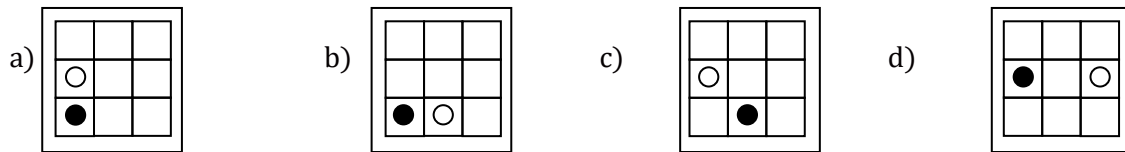
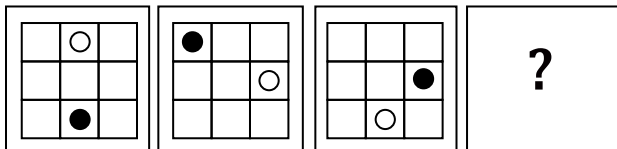
1. Find the missing term in the given series: 2, 7, 10, 22, 18, 37, 26?
a) 42 b) 52 c) 46 d) 62

2. Study the given pattern carefully and select the number that can replace the question mark (?) in it



- a) 13 b) 21 c) 11 d) 23

3. Which of the following figures complete the second pair in the same way as the first pair?



4. Five boys A, B, C, D, E are sitting in a park in a circular arrangement. A is facing South -West, D is facing South -East, B and E are just opposite to A and D respectively and C is equidistant between D and B. Which direction is C facing?
a) North b) East c) South d) West

5. 'A+B' means 'A is the sister of B'; 'A-B' means 'A is the daughter of B'; 'A×B' means 'A is the brother of B'; 'A÷B' means 'A is the husband of B'.

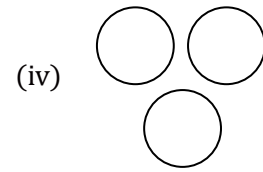
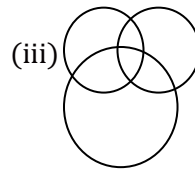
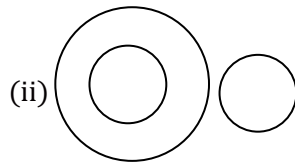
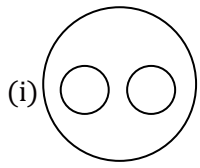
If $V+U \times Q - T \div R + P \times S$, then how is P related to V?

- a) Paternal aunt b) Maternal aunt c) Paternal uncle d) Maternal uncle

6. Sound : Muffled

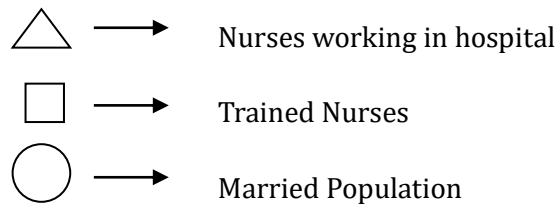
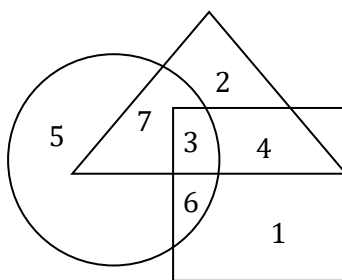
- a) Moisture : Humid b) Colour : Faded c) Despair : Anger d) Odour : Pungent

Directions (7 and 8) : Each of these questions given below contains three elements. These elements may or may not have some inter linkage. Each group of elements may fit into one of these Venn diagrams at (i), (ii), (iii), (iv). You have to indicate the correct diagram.



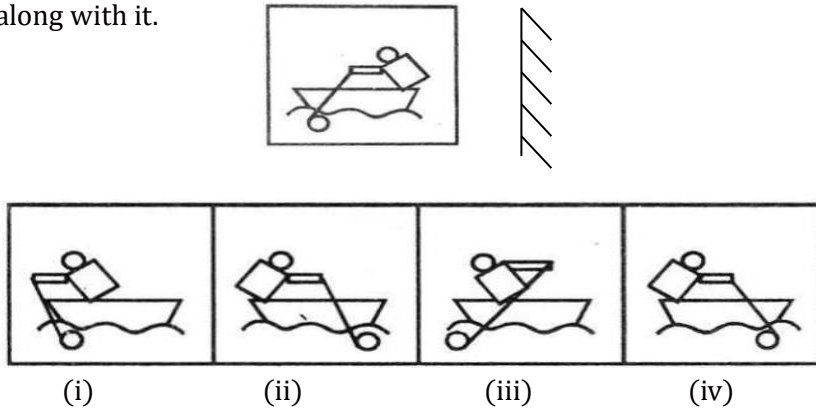
7. "Females, Doctors, Patients".
 a) (i) b) (ii) c) (iii) d) (iv)
8. "Humans, Birds, Animals".
 a) (i) b) (ii) c) (iii) d) (iv)
9. "Anxiety, Laziness, Power".
 a) (i) b) (ii) c) (iii) d) (iv)
10. In a certain code language "DEPUTATION" is written as "ONTADEPUTI". How is "DERIVATION" written in that code?
 a) ONVADERITI b) ONDEVARITI c) ONVAEDIRTI d) ONVADEIRIT

Directions (11 – 13) : Study the following diagram and then answer the questions below:



11. Which number represents the married but untrained nurses working in the hospital?
 a) 4 b) 5 c) 6 d) 7
12. What is represented by the number '2'?
 a) Married, untrained nurses working in the hospital b) Nurses working in the hospital
 c) Unmarried, untrained nurses working in the hospital d) Married, trained nurses
13. Which number represents the married, trained nurses not working in the hospital?
 a) 3 b) 1 c) 6 d) 7
14. Choose the correct water image of the given combination: DL3R1N2554
 a)
 c)
15. If ENGLAND is written as 1234526 and FRANCE is written as 785291, how is GREECE coded?
 a) 381171 b) 835545 c) 832251 d) 381191

16. Choose the correct mirror-image of the given figure from amongst the four alternatives (i), (ii), (iii), (iv) given along with it.



- a) (i) b) (ii) c) (iii) d) (iv)

Directions (17 – 20) : Read the following information carefully and answer the questions given below :
Six friends A, B, C, D, E, and F are sitting in a row facing East. C is between A and E. B is just to the right of E but left of D. F is not at the right end.

17. Who is between B and C?
a) A b) D c) E d) F
18. Who is at the left end?
a) A b) F c) C d) B
19. Who is at the right end?
a) B b) D c) E d) C
20. Who is to the left of A?
a) E b) C c) D d) F

Directions for Questions 21 to 25: Read the given information carefully and answer the questions that follow.

Eleven friends M, N, O, P, Q, R, S, T, U, V and W are sitting in the first row of the stadium watching a cricket match.

- i. T is to the immediate left of P and third to the right of U.
- ii. V is the immediate neighbour of M and N and third to the left of S.
- iii. M is the second to the right of Q, who is at one of the ends.
- iv. R is sitting next to the right of P and P is second to the right of O.

21. Who is sitting in the centre of the row?
(A) N (B) O (C) S (D) U
22. Which of the following people are sitting to the right of S?
(A) OTPQ (B) OTPR (C) UNVM (D) UOTPR

23. Which of the following statements is true with respect to the above arrangement?

- (A) There are three persons sitting between P and S
- (B) W is between M and V.
- (C) N is sitting between V and U
- (D) S and O are neighbours sitting to the immediate right of T

24. Who are the immediate neighbours of T?

- (A) O,P
- (B) O,R
- (C) N,U
- (D) V,U

25. If Q and P, O and N, M and T, and W and R interchange their positions then which of the following pairs of friends is sitting at the ends?

- (A) P and Q
- (B) Q and R
- (C) P and W
- (D) W and R

26. A man is facing north-west. He turns 90° in the clockwise direction, then 180° in the anticlockwise direction and then another 90° in the same direction. Which direction is he facing now?

- (A) south
- (B) south-west
- (C) west
- (D) south-east

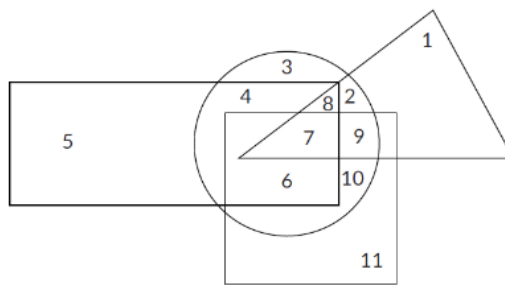
27. There are six persons A, B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group. Who is the mother?

- (A) A
- (B) B
- (C) C
- (D) E

28. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person?

- (A) Aunt
- (B) Mother
- (C) Wife
- (D) Daughter

Direction: In the figure, rectangle, square, circle, and triangle represent the regions of wheat, gram, maize, and rice cultivation respectively. On the basis of the figure, answer the following questions.



29. In which area are all 4 crops cultivated?

- (A) 7
- (B) 8
- (C) 9
- (D) 2

30. Choose the correct water image of the given combination: **RAJ589D8**

- (A) **8D9851AR**
- (B) **8D982LAR**
- (C) **8D982JAR**
- (D) **8D982JAR**

31. In a certain code, HARYANA is written as 8197151, how is DELHI written in that code?

- (A) 45389
- (B) 45839
- (C) 54893
- (D) 45956

32. Find the number which will come in the place of the question mark in the given series 4, 18, ?, 100, 180, 294, 448.

- (A) 62 (B) 86 (C) 38 (D) 48

33. Find the number which is wrong in the given series 2, 3, 12, 37, 86, 166, 288.

- (A) 2 (B) 12 (C) 37 (D) 166

DIRECTIONS (34 –36) : 6 persons are there namely: A1, A2, A3, A4, A5, A6

A6 is the sister of A3

A2 is the brother of A5's husband.

A4 is the father of A1 and grandfather of A6

A5 is the daughter-in-law of A4

There will be 2 fathers, 1 mother and 3 brothers in family.

34. Who is the husband of A5?

- (A) A2 (B) A3 (C) A1 (D) A4

35. Who happens to be the mother?

- (A) A1 (B) A2 (C) A3 (D) A5

36. How many male members are there?

- (A) 1 (B) 2 (C) 5 (D) 4

37. Which of the following Venn diagrams correctly describes the relationship amongst "Clothes, Flowers and Bright things"?



38. Choose the correct mirror image which closely resembles the mirror image of the given image.



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

Direction (39-40) : In each of the following questions find out the alternative which will replace the question mark.

39. 196: ?_:: 563: 7

- (A) 10 (B) 14 (C) 13 (D) 8

40. 441: 425:: 484: ?_

- (A) 459 (B) 512 (C) 446 (D) 494

