

1st iRAO 17

International Reasoning & Aptitude Olympiad



In association with:
SOCIETY OF SCIENCE EDUCATION
 New Delhi - India
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CLASS : 12 (SYLLABUS & SAMPLE QUESTIONS)

Analogy, Odd Test, English Dictionary Based Word Arrangement/Missing Letter, Inserting the Missing Number, Ranking Missing Character, Coding-Decoding, Statements and Conclusions in Symbols, Mathematical Operation, Sitting Arrangement, Blood Relations, Direction Sense Test, Syllogism, Venn Diagram, Statement and Conclusion, Diagrammatic Puzzles, Complete of Incomplete Pattern, Time and Clocks, Language Comprehension, Number System, Arithmetic, Geometry, Permutation & Combination, Mensuration, Probability.

The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 Minutes.

Directions (Questions 1 & 2): Study the following information carefully and answer the questions given below:

Five persons - Amita, Babu, Chanda, Diwakar and Ishu - are travelling by a train. Amita is the mother of Chanda, who is the wife of Ishu. Diwakar is the brother of Amita and Babu is the husband of Amita.

- How Babu is related to Ishu?**
 (A) Brother-in-law
 (B) Father-in-law
 (C) Father
 (D) Mother-in-law
 (E) None of these
- How Amita is related to Ishu?**
 (A) Mother-in-law (B) Niece
 (C) Sister (D) Mother
 (E) None of these
- A, B, C, D, E and F, not necessarily in that order, are sitting in six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite D, D and E are not on neighbouring chair. Which one of the following must be true?**
 (A) A is opposite B

- (B) D is opposite E
 (C) C and B are neighbours
 (D) B and E are neighbours
 (E) None of these

4. Consider the series given below, and find the next term.

4 / 12 / 95, 1 / 1 / 96, 29 / 1 / 96, 26 / 2 / 96, _____.

- (A) 24 / 3 / 96
 (B) 25 / 3 / 96
 (C) 26 / 3 / 96
 (D) 27 / 3 / 96
 (E) None of these

5. Which letter will replace the question mark (?) in the following matrix?

D	M	V
F	P	Z
H	S	?

- (A) D (B) C
 (C) I (D) G
 (E) None of these

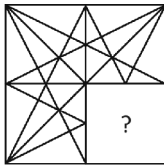
11. Who lives on the topmost floor?

- (A) Dimple (B) Shruti
(C) Anjali (D) Koyal
(E) Naina

12. Who lives between Arti and Naina?

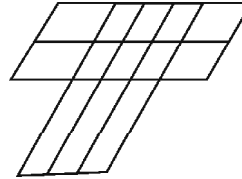
- (A) Payal (B) Koyal
(C) Shruti (D) Dimple
(E) Anjali

13. Which one of the alternative figures will complete the figure pattern?



- (A) (B)
- (C) (D)
- (E) None of these

14. How many parallelograms are there in this figure?



- (A) 49
(B) 46
(C) 44
(D) 39
(E) None of these

15. Consider the following statements.

1. Either A and B are of the same age or A is older than B.
2. Either C and D are of the same age or D is older than C.
3. B is older than C.

Which of the following conclusions can be drawn from the given statements?

- (A) A is older than B
(B) B and D are of the same age
(C) D is older than C
(D) A is older than C
(E) None of these

ANSWERS

1. (B) 2. (A) 3. (D) 4. (B) 5. (A) 6. (A) 7. (C) 8. (D) 9. (D) 10. (C)
11. (C) 12. (A) 13. (A) 14. (D) 15. (D)