*i*RAO

International Reasoning and Aptitude Olympiad

Presented by:
SILVER ZONE FOUNDATION
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CLASS 12 SAMPLE QUESTIONS

The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 50 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.

1. **How Babu is related to Ishu?**
(A) Brother-in-law
(B) Father-in-law
(C) Father
(D) Mother-in-law

2. **How Amita is related to Ishu?**
(A) Mother-in-law
(B) Niece
(C) Sister
(D) Mother

3. **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

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

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

6. **Study the following information and answer the given question.**

Point B is 12 metre South of point A, Point C is 24 metre East of point B. Point D is 8 metre South of point C, point D is 12 metre East of point E and point F is 8 metre North of point E.

Now, if a man is standing facing North at point C, how far and in which direction is point F?
(A) 12 m west
(B) 24 m east
(C) 12 m east
(D) 24 m west

*Directions(Questions 7 & 8): In the following questions, the symbols @, #, %, $ and * are used with the following meanings as illustrated below.*

'A @ B' means 'A is not smaller than B'
'A # B' means 'A is neither smaller than nor equal to B'
'A % B' means 'A is neither smaller than nor greater than B'
'A $ B' means 'A is not greater than B'
'A * B' means 'A is neither greater than nor equal to B'

Now in each of the following questions, assuming the given statements to be true, find the correct option for the given conclusions.

7. **Statements:**

C#D, A@B, D*E, B%C

Conclusion:

(1) A@C

(2) C#E

(A) Only conclusion 1 is true

(B) Only conclusion 2 is true

(C) Either conclusion 1 or 2 is true

(D) Neither conclusion 1 nor 2 is true

8. **Statements:**

I%J, G$H, H*I, H@K

Conclusion:

(1) I*J

(2) G@K

(A) Only conclusion 1 is true

(B) Only conclusion 2 is true

(C) Either conclusion 1 or 2 is true

(D) Neither conclusion 1 nor 2 is true

Directions (Questions 9 & 10): Study the following information to answer the given questions.

A test with five sections namely Quant, Reasoning, English, Computer and GA has to be proofread in 6 hours where one hour needs to be spent on each section.

A break of one hour has to be taken in the third or the fourth hour. Proofreading cannot start with Quant and has to end with English. Computer has to immediately follow Reasoning with no break in-between. Quant cannot be done immediately after Computers. Quant has to immediately follow GA with no break in-between.

9. **In which hour the break is to be taken?**

(A) Sixth   (B) Fourth

(C) Fifth   (D) Third

10. **Which section is to be proofread immediately after GA?**

(A) English   (B) Computers

(C) Quant   (D) Reasoning

ANSWERS									
1. (B)	2. (A)	3. (D)	4. (B)	5. (A)	6. (A)	7. (A)	8. (D)	9. (D)	10. (C)