iRAO

International Reasoning and Aptitude
Olympiad

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CLASS 11 SAMPLE QUESTIONS

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

Directions (Questions 1 & 2): In each of the following, some words are given which are related in same relationship obtains among the words in one of the four alternatives given under it. Find the correct alternative to match the one given in question.

1.   Bone : Skeleton : Nerve
(A) House : Door : Window
(B) Spoke : Wheel : Handle
(C) Retina : Eye : Pupil
(D) Snow : Cloud : Ice

2.   Iron : Silver : Gold
(A) Parents : Father: Mother
(B) Wheat : Barley : Cereal
(C) Tree : Branch : Fruit
(D) Deer : Lion : Wolf

3.   Find the odd one out.
(A) ACDF   (B) FGKL
(C) HIVW   (D) TUOP

4.   If 'REQUIRED' is coded as 'QERIUDER', how will 'SINGULAR' be coded ?
(A) NISGURAL   (B) SINUGRAL
(C) NISRALGU   (D) NISUGRAL

5.   If 2 = 5, 4 = 18, 6 = 39, then 10 = ?
(A) 45   (B) 81
(C) 100   (D) 105

6.   A person starts from a point A and travels 3 km eastwards to B and then turns left and travels thrice that distance to reach C. He again turns left and travels five times the distance he covered between A and B and reaches his destination D. The shortest distance between the starting point and the destination is:

(A) 12 km   (B) 15 km
(C) 16 km   (D) 18 km

7.   Which number would replace the question mark (?) in the series 64, 55, 47, 40, 34, ? , 25.
(A) 33   (B) 30
(C) 29   (D) 27

Directions (Questions 8 & 9): Following questions are based on the information given below.

(i)   'P × Q' means 'P is the father of Q'
(ii)   'P – Q ' means 'P is the sister of Q'
(iii) 'P + Q' means 'P is the mother of Q'
(iv)   'P ÷ Q' means ' P is brother of Q'

8.   In the expression B + D × M ÷ N, how is M related to B ?
(A) Granddaughter
(B) Son
(C) Grandson
(D) Granddaughter or Grandson

9.   Which of the following means 'R is niece of M' ?
(A) M ÷ K × T – R   (B) M – J + R – N
(C) R – M × T ÷ W   (D) Cannot be determined

10.   Find the missing number.

A2	C4	E6
G3	I5	?
M5	O9	Q14

(A) J15   (B) K8
(C) K15   (D) L10

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