2nd
*i*RAO ▼18
International Reasoning & Aptitude Olympiad

Organized by:
SILVER ZONE FOUNDATION
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CLASS : 9   SAMPLE QUESTIONS

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

1. What comes in place of the question mark?

Mudguard : Cycle : : Physics : ?

(A) Biology   (B) Mathematics

(C) Science   (D) Chemistry

(E) None of these

Directions (Questions 2 to 3): Study the information given below carefully and answer the questions that follow:

Six children are playing football, namely A, B, C, D, E and F. A and E are brothers. F is the sister of E. C is the only son of A's uncle. B and D are the daughters of the brother of C's father.

2. How is C related to F ?

(A) Cousin   (B) Brother

(C) Son   (D) Uncle

(E) None of these

3. How many male players are there?

(A) One   (B) Three

(C) Four   (D) Five

(E) None of these

Directions (Questions 4 to 5): Carefully study the information given below and answer the questions that follow:

A, B, C, D, E, F, G, H and I are nine houses. C is 2 km east to B. A is 1 km north to B and H is 2 km south to A. G is 1 km west of H while D is 3 km east of G and F is 2 km north to G. I is situated just in the middle of B and C while E is just in middle of H and D.

4. Distance between E and G is:

(A) 1 km

(B) 1.5 km

(C) 2 km

(D) 5 km

(E) None of these

5. Distance between E and I is:

(A) 1 km

(B) 2 km

(C) 3 km

(D) 4 km

(E) None of these

6. In a certain code language, '253' means '*books are old*', '546' means '*man is old*' and '378' means '*buy good books*'. What stands for '*are*' in that code?
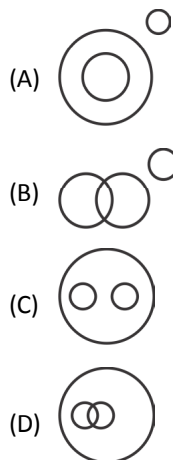
(A) 2   (B) 4

(C) 5   (D) 6

(E) None of these

7. **Which term will replace the question mark in the following series?**

ABD, DGK, HMS, MTB, SBL, ?

(A) QOL

(B) ZKW

(C) TOL

(D) QNL

(E) None of these

8. **Which one of the following coded diagrams illustrates the relationship among the 'Languages', 'Hindi' and 'English'?**
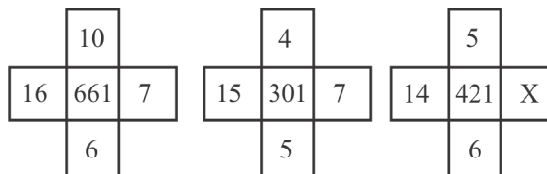
(A)

(B)

(C)

(D)

(E) None of these

9. **Find the missing value of (?) based on the given matrix.**

2	4	16	256
3	9	81	6561
4	16	256	65536
5	25	625	?

(A) 400625

(B) 380625

(C) 390625

(D) 480625

(E) None of these

10. **Which is the missing number 'X' in the following?**

	10				4				5	
16	661	7		15	301	7		14	421	X
	6				5				6	

(A) 10   (B) 8

(C) 7   (D) 9

(E) None of these

Directions (Questions 11 to 12): *In each of the questions given below there are two or three statements, followed by two or three conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the carefully conclusions and to decide which of the given conclusions logically follows from the given statements.*

11. **Statements:**

I. All dogs are cats.

II. All cats are rats.

Conclusions:

I. All dogs are rats.

II. Some rats are cats.

III. Some cats are dogs.

(A) Only I follows

(B) Only II follows

(C) Only III follows

(D) All follows

(E) None of these

12. **Statements:**

I. Some plants are mountains.

II. All plants are rivers.

Conclusions:

I. All mountains are plants.

II. Atleast some mountains are rivers.

(A) Only I follows

(B) Only II follows

(C) If either conclusion I or conclusion II

(D) If neither conclusion I nor conclusion II

(E) Both follows

Directions (Questions 13 to 14): Read the following information carefully and answer the questions that follow.

(i) A, B, C, D, E, F an G are sitting around a circle and are facing the centre.
(ii) G is second to the left of C, who is to the immediate left of F.
(iii) A is third to the left of E.
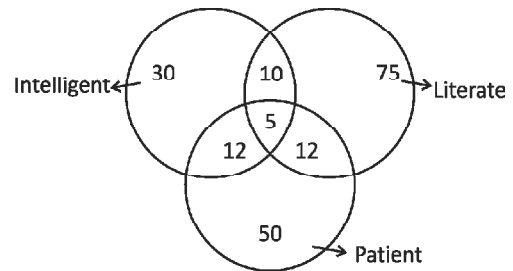(iv) B is between D and E.

13. Which one of the following is false ?
(A) A is fourth to the right of E.
(B) G is to the immediate right of D.
(C) F is third to the right of D.
(D) B is second to the right of G.
(E) None of these

14. Which one of the following is true ?
(A) C is fourth to the left of B.
(B) A is to the immediate right of G.

(C) D is second to the left of E.
(D) B is second to the right of G.
(E) None of these

15. Study the following picture carefully and identify the area which depicts such intelligent people who are not patient but literate?

(A) 30, 5, 75   (B) 50, 30, 75
(C) 12, 15, 10   (D) 30, 10, 75
(E) None of these

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