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

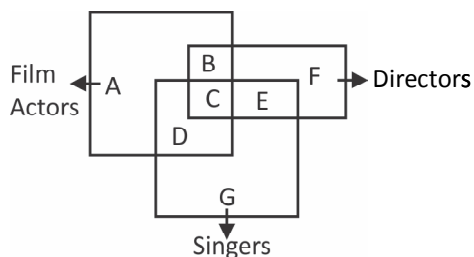## CLASS : 10   SAMPLE QUESTIONS

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

1. In a certain code language
   (i) 'count me out' is written as '874'.
   (ii) 'you can count' is written as '719'.
   (iii) 'you and me' is written as '924'
   How will 'and' be written in that code language?
   (A) 4   (B) 7
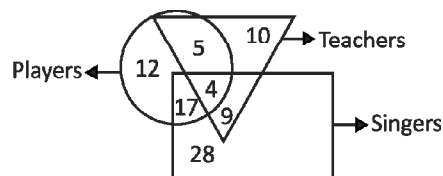   (C) 9   (D) 2
   (E) None of these

2. In the following venn diagram, identify the letter which denotes Film Actors who are Singers but not Directors.

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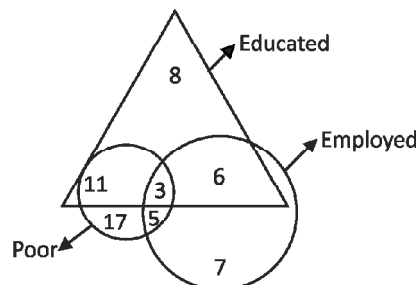   (C) E   (D) F
   (E) None of these

Directions (Questions 3 & 4): Answer the following:

3. The diagram represent Teachers. Singers and players. Study the diagram and find out the number of teachers who are also singers.

   (A) 30   (B) 28
   (C) 14   (D) 13
   (E) None of these

4. The figure represents three classes of youth in a village. Find the number of youth who are educated but poor?

   (A) 28   (B) 22
   (C) 20   (D) 14
   (E) None of these

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5. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix - II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'D' can be represented by 02, 14 etc., and 'R' can be represented by 57, 76 etc. Similarly, you have to identify the set for the word. "BEST"

MATRIX-I   MATRIX-II

	0	1	2	3	4
0	B	C	D	E	F
1	E	F	B	C	D
2	C	D	E	F	B
3	F	B	C	D	E
4	D	E	F	B	C

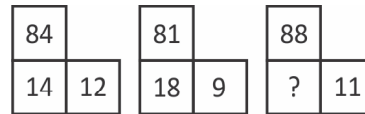|	5	6	7	8	9
5	P	Q	R	S	T
6	S	T	P	Q	R
7	Q	R	S	T	P
8	T	P	Q	R	S
9	R	S	T	P	Q

(A) 24, 22, 77, 96
(B) 24, 22, 76, 97
(C) 24, 21, 77, 97
(D) 24, 22, 77, 97
(E) None of these

6. Given that
1. A is the brother of B
2. C is the father of A
3. D is the brother of E
4. E is the daughter of B
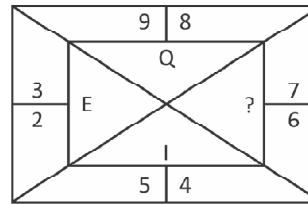Then, the uncle of D is
(A) A
(B) B
(C) C
(D) E
(E) None of these

7. Examine the following three figures in which the numbers follow a specific pattern.

84		81		88	
14	12	18	9	?	11

Find the missing number (?) in the third figure.
(A) 7   (B) 16
(C) 21   (D) 28
(E) None of these

8. Find the missing letter in the following table.

(A) R   (B) N
(C) M   (D) L
(E) None of these

9. Starting from point 'A' Sushil travels 10 metres towards East. Then he travels 10 metres towards North and reaches to the base of a 5 metres high pole, the vertex of which has a red coloured light switching on and off. Find out the exact distance between point A with that of the red light.
(A) 10 metres   (B) 18 metres
(C) 20 metres   (D) 15 metres
(E) None of these

10. Consider the following statements:
Assertion (A): People and their problems are unique.
Reason (R): Active listening conveys something to the person who is listened to.
On the basis of the above, choose the correct option in your answer.
(A) Both (A) and (R) are true, but (R) is not the correct
(B) (A) is true, but (R) is false
(C) (A) is false, but (R) is true
(D) Both (A) and (R) are true and (R) correctly explains (A)
(E) None of these

11. **While sitting in a park, you observe that a man comes to the place on a motorbike, leaves it there and goes away with someone else in a car. You would:**
    (A) chase the person.
    (B) inform the police
    (C) call back the person.
    (D) remain engaged in your enjoyment.
    (E) None of these

12. **Six students – A, B, C, D, E and F are sitting in a ground, A and B have come from Delhi while other from Bangalore. D and F are tall and all others are short. A, C and D are girls while other are boys. Who is the tall girl hailing from Bangalore?**
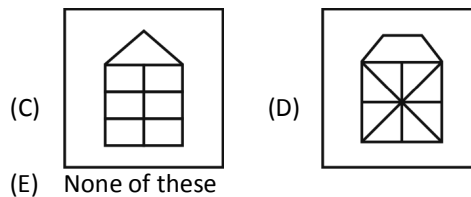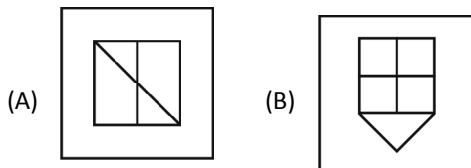   (A) C   (B) D
    (C) E   (D) F
    (E) None of these

13. **Select the answer figure in which the question figure is hidden/embedded.**
    Question figure:

    Answer figures:

    (A)   (B)

(C)   (D)

(E) None of these

14. **P, Q, R, S, T and U are 6 members of a family in which there are two married couples. T, a teacher is married to a doctor who is mother of R and U. Q, the lawyer is married to P. P has one son and one grandson. Of the two married ladies one is a housewife. There is also one student and one male engineer in the family. Which of the following is true about the grand–daughter of the family?**
    (A) She is a student.
    (B) She is a lawyer.
    (C) She is an engineer.
    (D) She is a doctor.
    (E) None of these

15. **In a certain code language,**
    "only in serial order" is written as "ve pu na to"
    "order in the state" is written as "li ve su pu"
    "the logical idea only" is written as "su na ri jo"
    and "in idea or theory" is written as "zt jo bk pu"
    The code 'li ri to ve'may represent which of the following?
    (A) serial order theory only
    (B) only idea state order
    (C) state logical serial order
    (D) serial theory state the
    (E) None of these

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