

International Olympiad Foundation (IOF)
(IOLYMPIADS LLP)

Certifying Talents Across World



Question Paper &
Answer Sheet
CLASS-7

 **IFRAO**
International Foundation
Reasoning & Aptitude
Olympiad

International Foundation
Reasoning & Aptitude Olympiad(IFRAO)
CLASS -7
PAPER - 2021

SECTION-A
Verbal Reasoning

- In the question, a letter series is given in which some of the letters are missing. The missing letters are given in that order as one of the alternatives below it. Choose the correct alternative.
__ b a _ a b _ b a __
A. a b a b b a
B. a a b b b a
C. b b a b a a
D. b a b a b a
- In the question three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?
A. January
B. October
C. April
D. August
- In the question four groups of letters are given. Three of them are alike in a certain way while one is different. Choose the odd one.
A. VT
B. MQ
C. PR
D. FG
- The question consists of two words that have a certain relationship to each other. Select a pair from amongst the four given pair of words which has the same relationship as the original one.
Kitchen : Bedroom :: ? : ?
A. Woman : Man
B. Vegetable : Fruit
C. Botany : Zoology
D. Gas : Cylinder
- In a certain code, SUBSTITUTION is written as ITSBUSNOITUT. How is DISTRIBUTION written in that code?
A. IRTSIDNOITUB
B. IRTSIDNOIBUT
C. IRTDISNOITUB
D. IRTDISNOIUTB

6. In a certain code language 35796 is written as 44887. How is 46823 written in that code?
A. 57914
B. 55914
C. 55934
D. 55714
7. A train is called a bus, bus is called tractor, tractor is called car, car is called scooter, scooter is called bicycle, bicycle is called moped, which is used to plough the field?
A. Car
B. Train
C. Bus
D. Tractor
8. In a certain code, '37' means 'which class' and '583' means 'caste and class'. What is the code of 'caste'?
A. 3
B. 7
C. 8
D. 5 or 3
9. Pointing to a man on the platform, Sunita said, "His mother is the only daughter of my mother." How is Sunita related to the man?
A. Mother
B. Daughter
C. Sister
D. Grandmother
10. Deepa moved a distance of 75 metres towards the north. She then turned to the left and walk for about 25 metres, turned left again and walked 80 metres. Finally, she turned to the right at an angle of 45° . In which direction was she finally moving?
A. North-east
B. North-west
C. South
D. South-west
11. Arrange the given words in alphabetical order and choose the one that comes first.
A. Launch
B. Laugh
C. Lattice
D. Latent
12. Arrange the given words in alphabetical order and tick the one that comes in the last
A. Leprosy
B. Lessen
C. Lesson
D. Language
13. In the question, arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence.
1. Liver 2. Long 3. Late 4. Load 5. Luminous 6. Latter
A. 3, 1, 6, 2, 4, 5
B. 3, 1, 6, 2, 5, 4
C. 3, 6, 1, 2, 4, 5
D. 3, 6, 1, 4, 2, 5

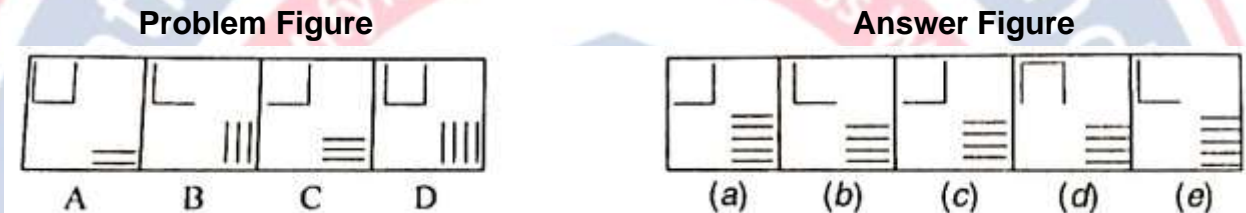
SECTION-B

Non Verbal Reasoning

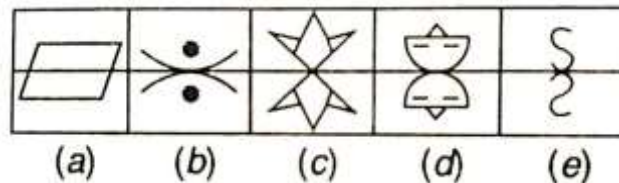
21. Figures A and B are related in a particular manner. Establish the same relationship between figures C and D by choosing a figure from amongst the five alternatives, which would replace the question mark in fig. (D)



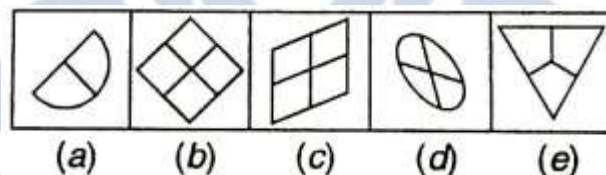
22. Select a figure from the Answer figure that would continue the series formed by the problem figure.



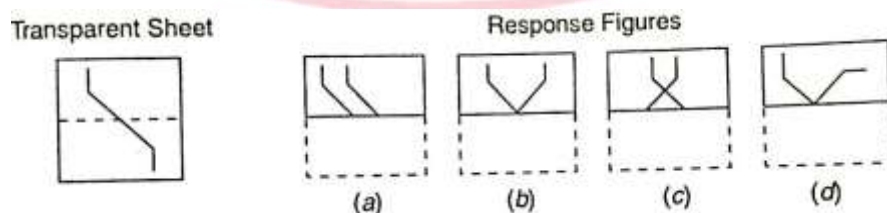
23. Given below are five figures, out of which four are alike in some manner. Find the figure which differs from all other figure.



24. From amongst the following five figures, select the one which is different from all others.

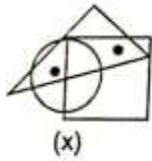


25. From amongst the four answer figure choose the one which resembles the transparent sheet after folding it along the dotted line.

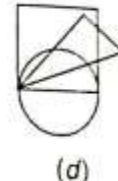
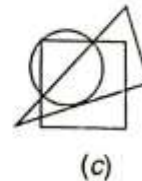
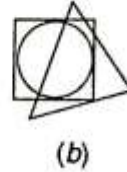
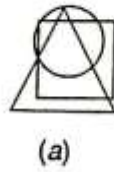


26. In the following question, from amongst the figures marked (a), (b), (c) and (d) select the figure which satisfies the same conditions of placement of dots as in the problem figure (X).

Problem figure



Answer Figure

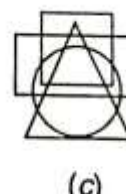


27. In the following question, from amongst the figures marked (a), (b), (c) and (d) select the figure which satisfies the same conditions of placement of dots as in the problem figure (X).

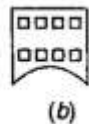
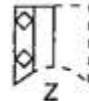
Problem figure



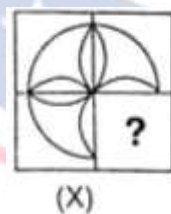
Answer Figure



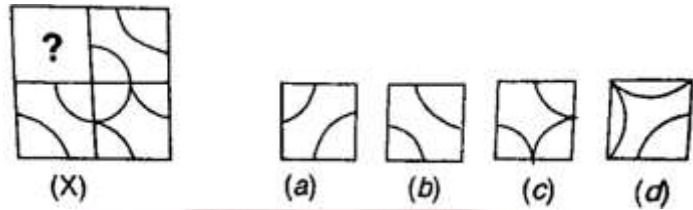
28. In the following three figures X, Y and Z, there is one fold in X, another fold in Y and cuts in the figure Z. From amongst the answer figures (a), (b), (c) and (d) select the one showing the unfolded position of Z.



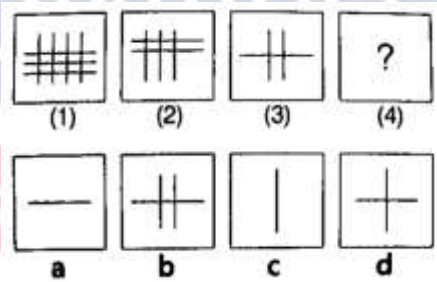
29. Complete the missing portion of the given pattern by selecting from the given alternatives.



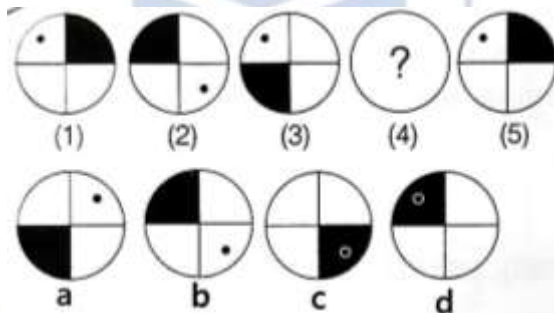
30. Complete the missing portion of the given pattern by selecting from the given alternatives



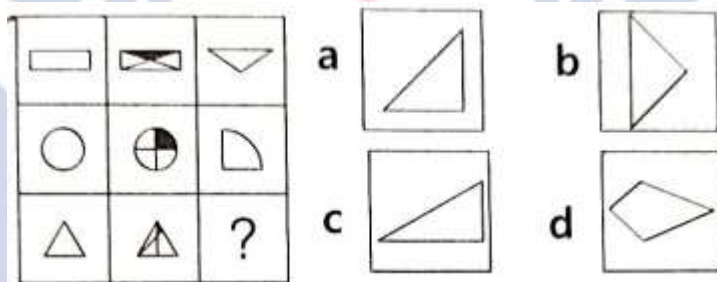
31. Find the next figure in the series given below.



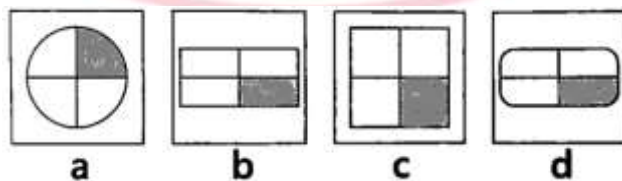
32. Find the missing figure in the series given below.



33. Identify and choose the correct pattern of figure that will complete the grid.

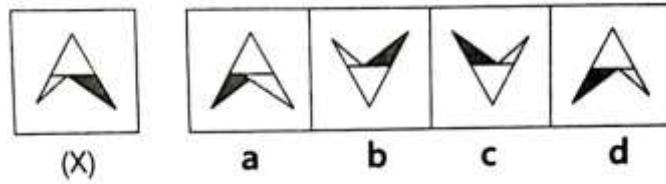


34. In the figure choose the odd one out.

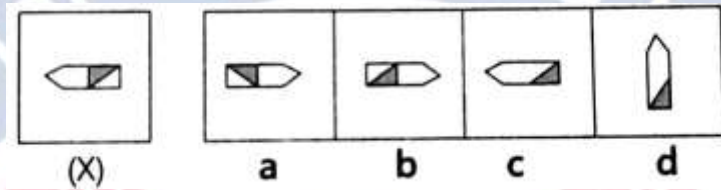


35. In the question, choose the correct mirror image of the given figure(X) (if mirror is placed vertically right to the figure)

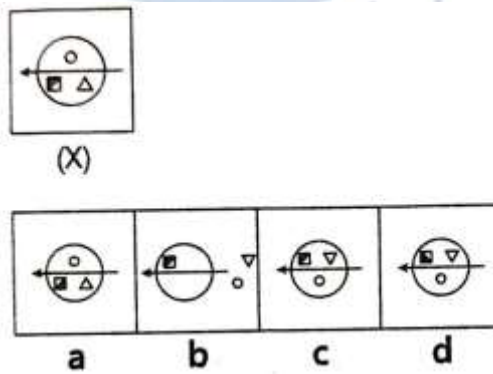
(if



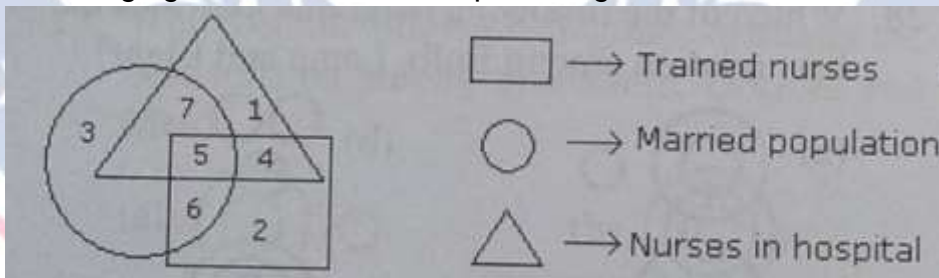
36. In the question, choose the correct mirror image (X) (if mirror is placed vertically to the left side of the figure).



37. In the question, find out the correct water image of the given object (X).



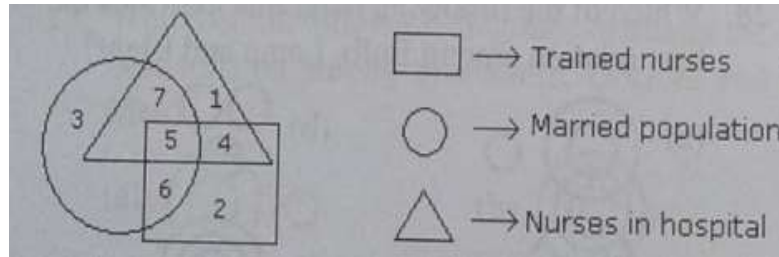
38. Study the following figure and answer the question given below.



If the hospital management requires only married trained nurses for operation theatre, which number of diagram should be chosen by it?

- A. 7 B. 4 C. 5 D. 6

39. Study the following figure and answer the question given below.



By which number, married but untrained nurses in the hospital are represented

- A. 4 B. 6 C. 7 D. 5

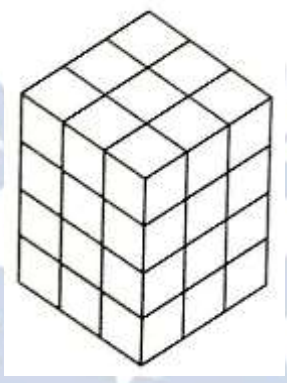
40. In the question, group the given figure into three classes using each figure only once.

1	2	3
4	5	6
7	8	9

a 1, 2, 3; 5, 8, 9; 4, 6, 7
 b 1, 6, 8; 2, 3, 9; 4, 5, 7
 c 1, 5, 9; 2, 6, 7; 3, 8, 4
 d 1, 5, 7; 4, 3, 8; 2, 6, 9

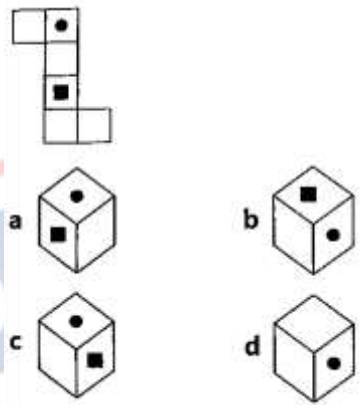
SECTION - C
Mathematical Reasoning & Data Interpretation

41. Count the number of small cubes in the following figure.



- A. 36 B. 32
 C. 30 D. 28

42. In the question, an unfolded dice is given with the four options in the form of complete dice. Select the correct answer choice which is formed by unfolded dice.



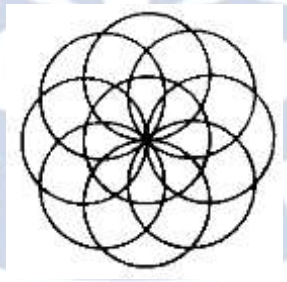
43. Find the term which does not belong to the given series?

A	B	D	D	E
3	4	5	6	7
8	10	11	14	16

a	b	c	d
D	D	A	B
6	5	3	4
14	11	8	10

- A. a B. b C. c D. d

44. How many circles are there in the figure given below?



- A. 9 B. 10
C. 11 D. 12

45. Find the number in place of '?' in the following square matrix out of the given options in the following question.

13	10	17
27	25	18
51	?	56

- A. 75
C. 56
- B. 30
D. 66

46. Find the number in place of '?' in the following square matrix out of the given options in the following question.

4	20	25
27	81	9
11	44	?

- A. 4
C. 55
- B. 30
D. 16

47. If A means +, B means -, C means \times and D means \div , then the value of

18C14A6B16D4 is :

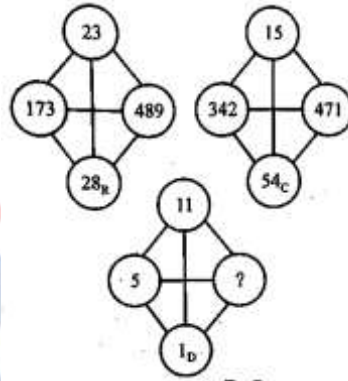
- A. 63
C. 288
- B. 254
D. 1208

48. Find the missing number (?)

9	15	5
8	16	6
9	?	4

- A. 12
B. 14
C. 13
D. 17

49. In the question which one number can be placed at the sign of interrogation?



- A. 3
- B. 8
- C. 10
- D. 14

50. How many hexagons are there in this figure?



- A. 13
- B. 14
- C. 15
- D. 16



International Olympiad Foundation

Certifying Talents Across World

IFRAO

International Foundation Reasoning
& Aptitude Olympiad

ANSWER SHEET

Question No.	Answer	Question no.	Answer
1.	D	26.	A
2.	C	27.	D
3.	D	28.	C
4.	C	29.	A
5.	A	30.	C
6.	B	31.	C
7.	A	32.	C
8.	C	33.	B
9.	A	34.	A
10.	D	35.	D
11.	D	36.	A
12.	A	37.	D
13.	B	38.	C
14.	D	39.	C
15.	A	40.	B
16.	B	41.	A
17.	C	42.	D
18.	D	43.	B
19.	B	44.	A
20.	B	45.	C
21.	A	46.	D
22.	D	47.	B
23.	A	48.	A
24.	D	49.	C
25.	B	50.	C