

# International Foundation Mathematics Olympiad(IFMO)

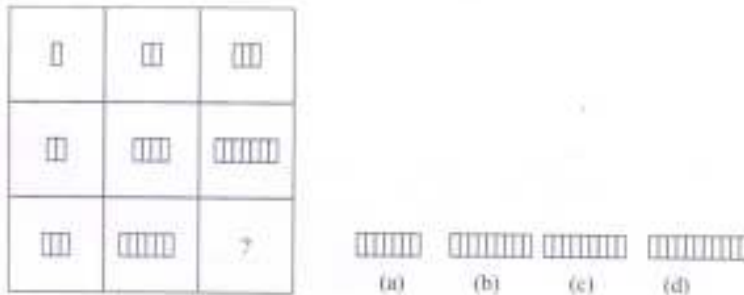
## CLASS 8

### WORKSHEET – 1

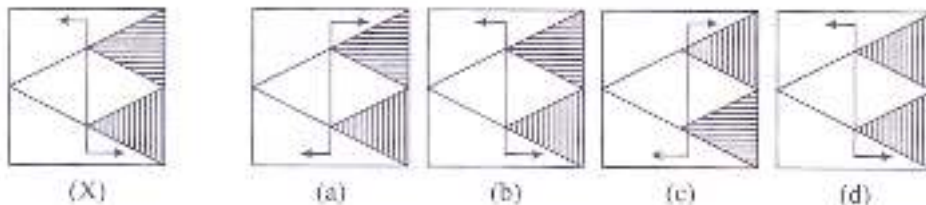
#### SECTION-A ( Logical Reasoning )

1. If JEANS = 49, COAT = 39 then SHIRT=?
  - a) 71
  - b) 72
  - c) 73
  - d) 74
2. Choose the odd one from the given group.
  - a) Town
  - b) State
  - c) District
  - d) Metropolis

3. In the following question, study the given matrix and find the correct option for the question mark from the given four options.



4. In the following question, choose the correct water image of the figure (X) from the given four alternatives.



5. In the following problems, select a figure from amongst the four options which when placed in the blank space of figure (X) would complete the pattern.



- a) 8  
b) 7
- c) 6  
d) 9
12. If  $a : b = 2 : 3$ , then what will be the value of  $\frac{a+b}{a-b}$ ?
- a)  $\frac{-3}{2}$   
b)  $\frac{3}{2}$
- c) -5  
d)  $\frac{-1}{5}$
13. What is the greatest number of five digits which is a perfect square?
- a) 99586  
b) 99856
- c) 99568  
d) 99865
14. The area of a rectangular field whose length is three times its breadth is 348  $\text{m}^2$ . What is the perimeter of the field?
- a) 82.16 m  
b) 84.16 m
- c) 86.16 m  
d) None of these
15. The length of edge of a cube whose volume is 74.088  $\text{m}^3$ .
- a) 4.52 m  
b) 4.62 m
- c) 4.22 m  
d) 4.2 m
16. What is a single discount equivalent to two successive discounts of 20% and 10%?
- a) 28%  
b) 38%
- c) 22%  
d) 32%
17. What is the remainder when  $6x^2 - 11x + 15$  is divided by  $2x - 5$ ?
- a) 15  
b) 25
- c) 35  
d) -25
18. A shirt is sold for Rs. 1498 and the seller gains 7% on it. What is the cost price of the shirt?
- a) 1600  
b) 1500
- c) 1400  
d) 1450



c) 170

d) 85

ANSWER IFMO CLASS 8 – WORKSHEET - 1																			
1	D	2	B	3	B	4	A	5	D	6	A	7	B	8	A	9	C	10	A
11	B	12	C	13	B	14	C	15	D	16	A	17	B	18	C	19	B	20	D
21	A	22	C	23	C	24	C	25	C										

