



Total Questions : 50

Time : 1 hr.

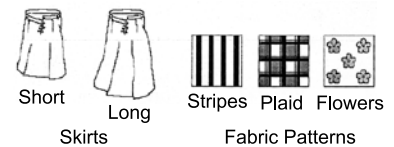
PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No. of Questions	15	20	10	5
Marks per Ques.	1	1	1	3

**SYLLABUS :** Number sense, Numeral and Number Name (7 and 8 digit numbers), Roman Numbers, Addition, Subtraction, Multiplication, Division, Factors and Multiples, LCM, HCF, Rules of Divisibility, Whole, Prime and Composite Numbers, Fractions, Decimals, Geometrical Shapes & Angles, Circles, Symmetry, Measurement of Length, Mass, Capacity, Perimeter and Area of Rectangle, Square, Measurement of Volume, Temperature, Time and Various Operations on Time, Relationship Between Seconds, Minutes and Hours, Money, Representation of Data in Pictorial Form, Patterns, Formation of Numbers and Figures, Direction Sense Test, Number Ranking and Alphabet Test, Series, Odd One Out.

**Achievers Section :** Higher Order Thinking Questions - from the above given Syllabus.

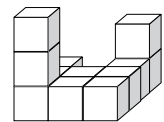
**LOGICAL REASONING**

1. Shelley is ordering a skirt from a catalog. She can choose one of two lengths: a short skirt or a long skirt. Then she can choose one of three fabric patterns: stripes, plaid or flowers. At most how many different combinations could Shelley order choosing a length and a fabric pattern?



- (A) 2 (B) 3 (C) 5 (D) 6

2. The number of cubes in the given figure is \_\_\_\_\_.



- (A) 11 (B) 12  
(C) 13 (D) 14

3. Find the odd numeral out.

- (A) 7 (B) 9 (C) 4 (D) 6

4. Which of the following is ninth to the right of the seventeenth from the right end of the given arrangement?

M4ET%J9IB@U8©N#F1V7★2AH3Y5\$6K

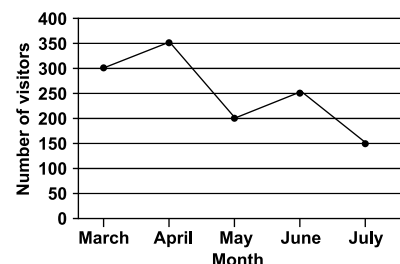
- (A) A (B) % (C) I (D) Y

**MATHEMATICAL REASONING**

5. Which figure has an area of 8 sq. units and a perimeter of 12 units? (Each square block is of side 1 unit).

- (A) (B) (C) (D)


6. The line graph shows the number of people who visited a museum from March to July. How many more visitors were there in April than in June?

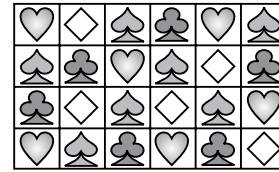


- (A) 200  
(B) 350  
(C) 150  
(D) 100

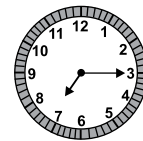
7. How many angles inside the figure are greater than a right angle?  
 (A) 5 (B) 6  
 (C) 7 (D) 8



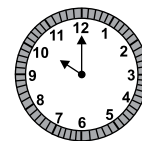
8. What fraction of the figures are  ?  
 (A)  $\frac{1}{4}$   
 (B)  $\frac{1}{3}$   
 (C)  $\frac{1}{5}$   
 (D)  $\frac{1}{2}$



9. Katrina went to watch a movie. The time at which the movie started and ended are shown on the two clocks given. How long did the movie last ?  
 (A) 1 hr 45 mins  
 (B) 2 hrs 45 mins  
 (C) 2 hrs 15 mins  
 (D) 3 hrs



Starting Time



Ending Time

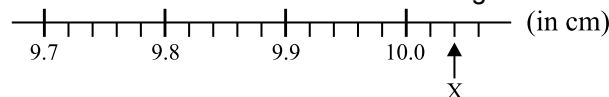
10. If 'White' is called 'Blue', 'Blue' is called 'Red', 'Red' is called 'Yellow', 'Yellow' is called 'Green', 'Green' is called 'Black', 'Black' is called 'Violet' and 'Violet' is called 'Orange', then what would be the colour of human blood?  
 (A) Red (B) Yellow (C) Green (D) Violet

### EVERYDAY MATHEMATICS

11. Harry had 500 coins in a jar. He sorted the coins into 25 different stacks. Each stack had the same number of coins. How many coins were in each stack?  
 (A) 20 (B) 45 (C) 25 (D) 12
12. There are 914 students enrolled in Elementary School. Middle School has 276 fewer students than elementary school. How many students are enrolled at Middle School?  
 (A) 642 (B) 762 (C) 1,190 (D) 638
13. Tom left home at 7 : 15 a.m. to go to work. He returned home at 4 : 45 p.m. For how long Tom was away from home?  
 (A) 7 hours 30 minutes (B) 9 hours 30 minutes  
 (C) 3 hours 30 minutes (D) 8 hours 30 minutes

### ACHIEVERS SECTION

14. Part of a scale is shown below. What is the value of the reading at X?



- (A) 10.02 cm (B) 10.04 cm (C) 10.2 cm (D) 10.4 cm

15. Vivek rented a bicycle for 3 hours. How much did he pay?  
 (A) ₹ 13 (B) ₹ 19  
 (C) ₹ 22 (D) ₹ 30

#### Bicycle for Rent

First hour : ₹ 7  
 Every additional  $\frac{1}{2}$  hour : ₹ 3



SPACE FOR ROUGH WORK

### ANSWERS

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