



**SOF INTERNATIONAL  
MATHEMATICS OLYMPIAD**

Total Questions : 35

Time : 1 hr.

**PATTERN & MARKING SCHEME**

Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No. of Questions	10	10	10	5
Marks per Ques.	1	1	1	2

**SYLLABUS**

**Section – 1 :** Patterns, Odd One Out, Measuring Units, Geometrical Shapes, Analogy, Ranking Test, Grouping of Figures, Embedded Figures, Coding-Decoding.

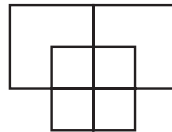
**Section – 2 :** Numerals, Number Names and Number Sense (3-Digit Numbers), Computation Operations, Length, Weight, Capacity, Time, Temperature, Money, Lines, Shapes and Solids, Pictographs, Patterns.

**Section – 3 :** Syllabus as per Section – 2.

**Section – 4 :** Higher Order Thinking Questions - Syllabus as per Section – 2.

**LOGICAL REASONING**

1. How many squares and standing lines respectively are there in the given figure?

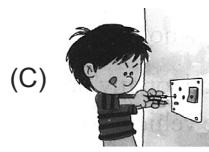
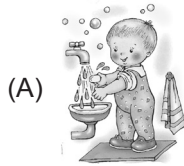


- (A) 8, 11  
(B) 7, 5  
(C) 8, 9  
(D) 5, 9

2. 62 hundreds 30 tens and 80 ones = \_\_\_\_\_.

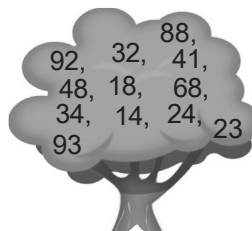
- (A) 6230  
(B) 6580  
(C) 6380  
(D) 6238

3. Find the odd one out.



**MATHEMATICAL REASONING**

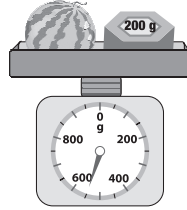
4. How many numbers are there in the tree which has sum of their digits as 5?



- (A) 3  
(B) 4  
(C) 5  
(D) 6

5. Which of the following is less than **13 tens** + **2 ones** ?
- (A) 142 (B) 132  
(C) 138 (D) 123

6. What is the weight of the watermelon shown in the figure?



- (A) 300 g (B) 550 g (C) 250 g (D) 350 g

### EVERYDAY MATHEMATICS

7. In a box, there are 25 blue marbles, 18 red marbles and 27 yellow marbles. How many marbles are there in the box altogether?
- (A) 50 (B) 60 (C) 70 (D) 80
8. Mini had ₹ 560 in her purse. When she went shopping, she spent ₹ 456. How much money was left with her?
- (A) ₹ 4 (B) ₹ 24 (C) ₹ 104 (D) ₹ 140

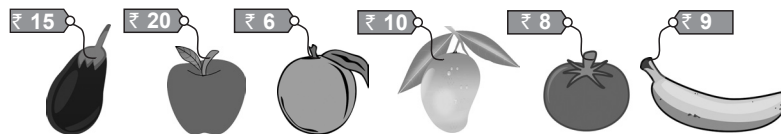
### ACHIEVERS SECTION

9. Find the value of ♥, ☾ and 😊 respectively. (Each shape stands for a digit.)

$$\begin{array}{r}
 \heartsuit \\
 \text{☾} \quad \text{☾} \\
 + \quad \text{😊} \quad \text{😊} \quad \text{😊} \\
 \hline
 \quad 9 \quad 4 \quad 3
 \end{array}$$

- (A) 5, 1, 3 (B) 1, 3, 5 (C) 5, 4, 3 (D) 9, 4, 3

10. Sonia buys 4 apples, 2 mangoes and 5 tomatoes from the market.



How much money will she have to pay?

- (A) ₹ 142 (B) ₹ 140 (C) ₹ 130 (D) ₹ 128

SPACE FOR ROUGH WORK

### ANSWERS

1. (B) 2. (B) 3. (C) 4. (B) 5. (D) 6. (D) 7. (C) 8. (C) 9. (A) 10. (B)