SCIENCE OLYMPIAD FOUNDATION

SAMPLE PAPER SYLLABUS 2018-19

CLASS 1

IMO

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, Spatial Understanding, Grouping, Analogy, Ranking Test, Problems based on Figures.

Section – 2 : Numerals, Number names, Number Sense (2 digit numbers), Addition, Subtraction, Lengths, Weights and Comparisons, Time, Money, Geometrical Shapes and Solids, Patterns.

Section – 3 : Syllabus as per Section–1 and 2.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section–1 and 2.

LOGICAL REASONING

1. Latika, Monika and Sonika are sitting in a row. Latika is sitting between Monika and Sonika. Which of the following is the correct order?

(A) | Latika | Sonika | Monika |

(B) | Latika | Monika | Sonika |

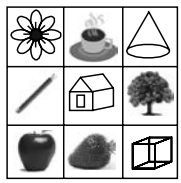
(C) | Sonika | Latika | Monika |

(D) | Sonika | Monika | Latika |

2. The shape of  is looking like a _____.

(A) Cone (B) Cylinder (C) Sphere (D) Cube

3. Which figure is in the centre?



(A) 

(B) 

(C) 

(D) 

4. Which of the following objects can hold maximum amount of water?

(A) 

(B) 

(C) 

(D) 

MATHEMATICAL REASONING

5. Which of the following shows a correct descending order?

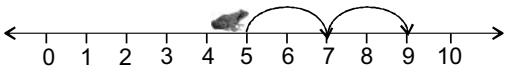
(A) 10, 12, 13, 15

(B) 10, 9, 8, 7

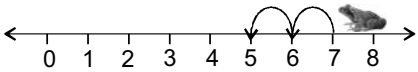
(C) 15, 16, 17, 18

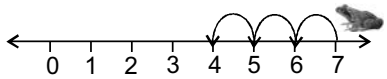
(D) 20, 19, 17, 25

6. A  can jump two steps at a time. If it is at 5th step, where will it be after 2 jumps?

(A) 

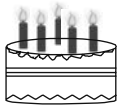
(B) 

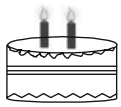
(C) 

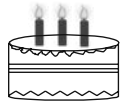
(D) 

7. Four friends are celebrating their birthdays. The candles on cake show their ages. Who is the eldest?

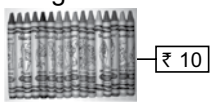
(A)  Ankit

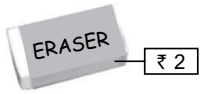
(B)  Parul

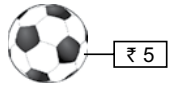
(C)  Ruchi

(D)  Anu

8. Sonali bought the following items.



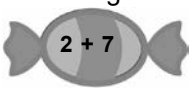




How much money did she spend?

(A) ₹ 27 (B) ₹ 15 (C) ₹ 12 (D) ₹ 17

9. Which toffee gives the answer smaller than 7?

(A) 

(B) 

(C) 

(D) 

EVERYDAY MATHEMATICS

10. Given two baskets shows the number of apples. Which of the following statements is CORRECT?

(A) Basket X has two more apples than Basket Y.
(B) Basket Y has more apples than Basket X.
(C) Both Baskets X and Y have equal apples.
(D) Basket Y has one apple less than Basket X.

 Basket X

 Basket Y

11. A chocolate costs ₹ 25. Jiah has only ₹ 13 now. How much more money does she need to buy the chocolate?

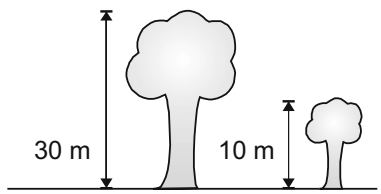
(A) ₹ 10 (B) ₹ 12 (C) ₹ 8 (D) ₹ 11

12. Chintu has 24 balls. He gives 2 balls to his sister. How many balls does Chintu has now?

(A) 22 (B) 20 (C) 18 (D) 21

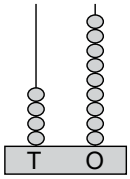
13. The total height of both the trees together is _____.

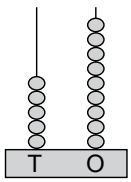
(A) 30 m
(B) 40 m
(C) 50 m
(D) 20 m

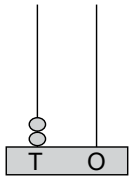


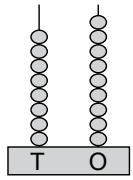
ACHIEVERS SECTION

14. Which abacus represents 20 less than 69?

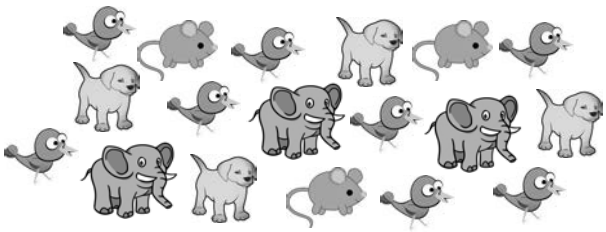
(A) 

(B) 

(C) 

(D) 

15. How many birds are there in the given picture?



(A) 8 tens – 40 ones

(B) 2 tens + 18 ones

(C) 18 ones – 10 ones

(D) 12 ones + 4 tens

SPACE FOR ROUGH WORK

ANSWERS

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