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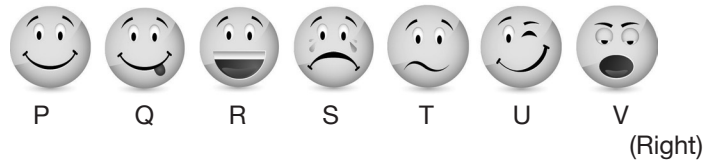
Section – 2 : Numerals, Number names, Number Sense (2 digit numbers), Addition, Subtraction, Lengths, Weights and Comparisons, Time, Money, Geometrical Shapes and Solids, Patterns.

Section – 3 : Syllabus as per Section–2.

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

LOGICAL REASONING
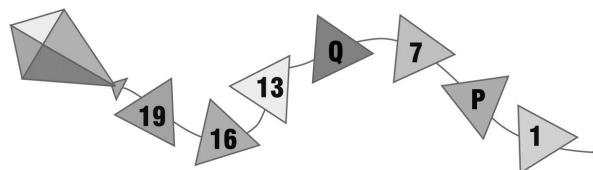
1. Which figure is 5th from the right end?

P   Q   R   S   T   U   V

(Right)

(A) T   (B) R
(C) Q   (D) U

2. The birds in the given image are flying _____ the house.

(A) Inside   (B) Above
(C) Below   (D) Under

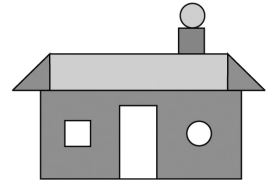**3.** Find the value of P and Q in the given number pattern.

(A) 2, 8   (B) 3, 10
(C) 3, 8   (D) 4, 10

MATHEMATICAL REASONING

4. The number of straight lines in the given picture is _____.

(A) 20

(B) 23

(C) 22

(D) 19

5. Which of the following sets has the greatest number of objects?

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

6. The length of the hockey stick is _____ units. (Use ⊂⊃ as 1 unit).
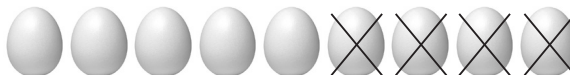

(A) 7 (B) 4 (C) 5 (D) 6

EVERYDAY MATHEMATICS

7. Ritu has 🍦🍦🍦🍦🍦🍦🍦🍦. Kirti has 🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦. How many ice-creams do they have altogether?

(A) 19 (B) 18 (C) 20 (D) 22

8. Tanya bought 9 eggs from the market. She broke 4 eggs. How many eggs were not broken?

(A) 5 (B) 4 (C) 9 (D) 7

ACHIEVERS SECTION

9. Select the incorrect match.

(A) 3 + 2   8 − 3

(B) 4 + 5   3 + 8

(C) 10 + 0   10 − 0

(D) 8 − 4   10 − 6

10. Tanuj drinks a few glasses of juice. There are _____ glasses of juice left. Tanuj drinks _____ glasses of juice.

(A) 4, 3   (B) 7, 5   (C) 7, 4   (D) 3, 8

SPACE FOR ROUGH WORK