SOF
SCIENCE OLYMPIAD FOUNDATION

N S O
SOF NATIONAL SCIENCE OLYMPIAD

Total Questions : 50

Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	(1) Logical Reasoning	(2) Science	(3) Achievers Section
No. of Questions	10	35	5
Marks per Ques.	1	1	3

Scan the QR code for more details

SYLLABUS

Section – 1 : Patterns, Analogy and Classification, Geometrical Shapes, Mirror and Water Images, Direction Sense Test, Ranking Test, Alphabet Test, Logical Sequence of Words, Puzzle Test, Coding-Decoding, Clock and Calendar.
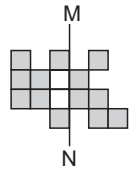
Section – 2 : Animals, Human Body and Health, Plants, Natural Resources and Indian Heritage, Pollution and Calamities, Earth and Universe, Matter and Materials, Force and Energy.

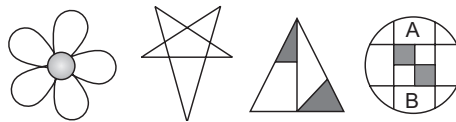**Section – 3 :** Higher Order Thinking Questions - Syllabus as per Section – 2.

LOGICAL REASONING

1. What is the smallest number of shaded squares that must be added, so that the line MN becomes a line of symmetry?
   (A) 11
   (B) 12
   (C) 13
   (D) 10

2. _____ figures have atleast one line of symmetry.

   (A) 2   (B) 1   (C) 3   (D) 4

3. If 'Book' means 'Watch', 'Watch' means 'Bag', 'Bag' means 'Pen' and 'Pen' means 'Pencil', then which is used to read time?
   (A) Book   (B) Watch   (C) Bag   (D) Pen

SCIENCE

4. If your diet is deficient in citrus fruits then you are supposed to suffer from
   (A) Rickets   (B) Beri Beri   (C) Scurvy   (D) Night blindness.

5. _____ is a good conductor of electricity.
   (A) Metal   (B) Rubber   (C) Plastic   (D) All of these
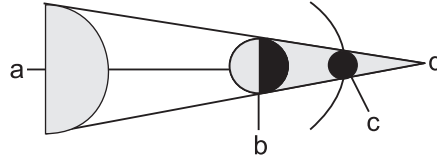
6. The Gateway of India is located in _____
   (A) Mumbai   (B) New Delhi   (C) Jaipur   (D) Patna

7. Which of the following are included in first class levers?

1.   2.   3.   4.

(A) 1, 2 and 4 only   (B) 1 and 2 only   (C) 3 and 4 only   (D) 1, 3 and 4 only
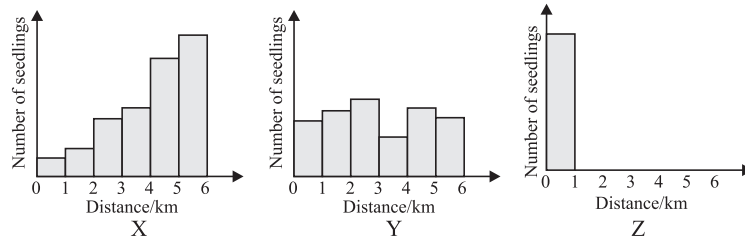
8. Look at the figure. It shows lunar eclipse. Where will be the Earth in it ?

(A) a   (B) b   (C) c   (D) d

ACHIEVERS SECTION

9. Three different types of plants X, Y and Z, were selected by scientists who want to document their methods of seed dispersal. The graphs below show the approximate number of seedlings found at various distances around the parent plant.
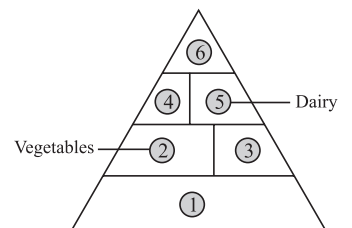

Which option most correctly lists the methods of seed dispersal of each plant?

	X	Y	Z
(A)	Water	Explosive action	Animal
(B)	Wind	Animal	Water
(C)	Wind	Animal	Explosion
(D)	Explosion	Water	Animal

10. Identify 1, 3, 4 and 6 in the given pyramid and select the correct option.

	1	3	4	6
(A)	Fruits	Grains	Proteins	Sweets and fats
(B)	Grains	Fruits	Proteins	Sweets and fats
(C)	Proteins	Fruits	Grains	Sweets and fats
(D)	Fruits	Proteins	Fats	Grains

SPACE FOR ROUGH WORK

ANSWERS

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