

**SOF NATIONAL
SCIENCE OLYMPIAD**

Total Questions : 35

Time : 1 hr.

PATTERN & MARKING SCHEME			
Section	(1) Logical Reasoning	(2) Science	(3) Achievers Section
No. of Questions	5	25	5
Marks per Ques.	1	1	2

SYLLABUS

Section – 1 : Spatial Understanding, Grouping, Measuring Units, Analogy, Geometrical Shapes, Patterns, Odd One Out, Ranking Test.

Section – 2 : Living and Non-living things, Plants, Animals, Human Beings and Their Needs, Good Habits and Safety Rules, Air and Water, Weather and the Sky.

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

LOGICAL REASONING

1. Choose the correct option to replace the “?” in the given figure series.



(A) 1



(B) 3



(C) 4



(D) 5



2. Which item is the heaviest?



(A)



(B)



(C)



(D)

3. Which toy is the lightest?



(A)



(B)



(C)

(D) Can't be determined



SCIENCE

4. Look at the picture and complete the following sentence.
Always cross the road at _____ crossing.


(A) Horse

(B) Zebra


(C) Footpath

(D) Traffic



5.  is a living thing because _____.

(A) It grows (B) It can make more money plants
(C) It breathes (D) All of these

6.  are the seeds of _____.

(A) Wheat (B) Rice (C) Rajma (D) Corn

7. I am green and small. I can make you cry. I am a _____.

(A) Pea (B) Chilli (C) Ladyfinger (D) Spinach

8. Unscramble the words given below to get the name of the home of the animal shown in the figure.

'ATSLBE'

(A) Ebstla (B) Tebsla
(C) Stable (D) Belsta




9. Select the correct option.

(A)  lives in water.

(B)  cannot fly.

(C)  has eight legs.

(D)  is the largest living animal.

10. Which part of our body helps us to hear a bell?

(A) Eye (B) Nose (C) Ear (D) Tongue

11. The picture shows that our house keeps us safe from

(A) The heat of the Sun
(B) Rain
(C) Cold
(D) Strong winds



12. Which of the following statements is INCORRECT?

(A) We cannot feel air but we can see it. (B) Moving air is called wind.
(C) Air takes up space. (D) All of these

13. Choose the correct sequence of words to complete the paragraph given below.

Summer days are _____ while winter days are _____. A strong wind blows on _____.
Monsoon days are _____.

(A) Cold, hot, a windy day, rainy (B) Rainy, cold, a hot day, windy
(C) Hot, cold, a windy day, rainy (D) Windy, hot, a rainy day, cold

ACHIEVERS SECTION

14. Which among the following are creepers?

- (A) 1, 2, 3
(B) 4, 5
(C) 1, 4, 5
(D) 1, 2, 3, 4 and 5



15. Richa did an activity as shown here. She observed bubbles coming out of the glass. What does this activity show?

- (A) The empty glass is filled with air.
(B) Water displaces air in the glass.
(C) Air comes out of the water in the form of bubbles.
(D) All of these



**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

Numerals, Number Name and Number Sense (2 digit numbers), Addition, Subtraction, Length, Weight, Time, Money, Geometrical Skills, Patterns, Odd One Out, Series Completion, Analogy, Ranking Test, Spatial Understanding, Problems Based on Figures.

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

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?

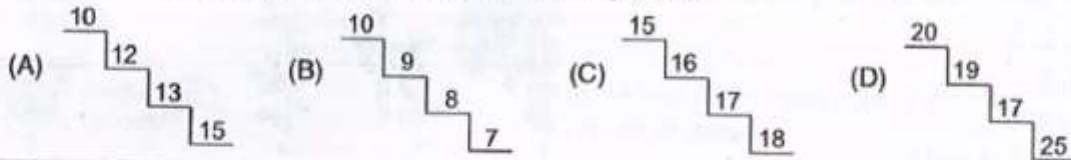
- (A) (B)
(C) (D)




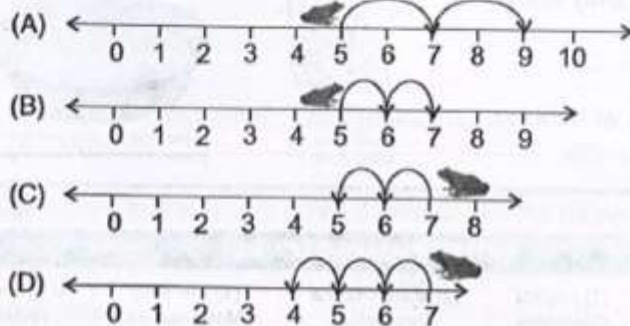
4. Which of the following objects can hold maximum amount of water?

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

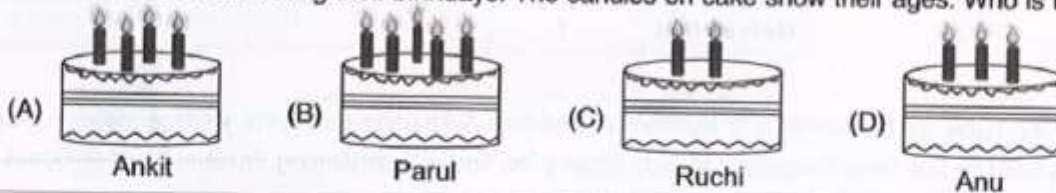
5. Which of the following shows a correct descending order?



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



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



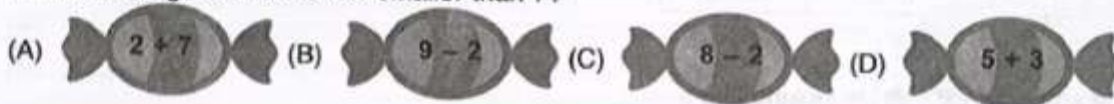
8. Sonali bought the following items.



How much money did she spend?

- (A) ₹ 27 (B) ₹ 15 (C) ₹ 12 (D) ₹ 17

9. Which toffee gives the answer smaller than 7?



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.



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

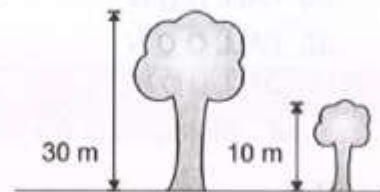
- (A) ₹ 10 (B) ₹ 12 (C) ₹ 13 (D) ₹ 20

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

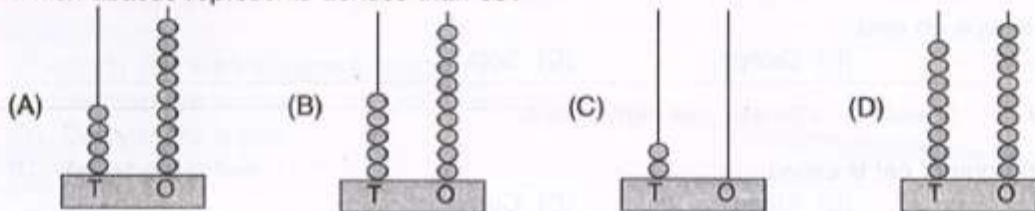
13. The total height of both the trees together is _____.

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



ACHIEVERS SECTION

14. Which abacus represents 20 less than 69?



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



Total Questions : 35

Time : 1 hr.

Section	PATTERN & MARKING SCHEME			
	(1) Word and Structure Knowledge	(2) Reading	(3) Spoken and Written Expression	(4) Achievers Section
No. of Questions	30			5
Marks per Ques.	1	1	1	2

SYLLABUS

Jumbled Letters, Words : Their Meanings and Opposites, Identify the Word From the Picture, Making a Word, Feminine and Masculine, One and Many, Word Pairs, Odd One Out, Animals : Their Babies, Sounds and Groups, Nouns, Verbs, Articles, Comprehension (Prose and Poetry).

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

WORD AND STRUCTURE KNOWLEDGE

- Find the odd word.
(A) Railway station (B) River (C) Train
- Identify the picture.
(A) Bubble
(B) Rainbow
(C) Sun



3. Identify the picture and fill in the blanks to form the correct spelling.

BALL _ _ N

- (A) BALL U U N
(B) BALL Q Q N
(C) BALL U Q N



Direction : Unscramble the letters to form a meaningful word.

4. Pica

- (A) Palc (B) Clap (C) Plac

Direction : Identify the verb.

5. 'Monika sleeps on sofa.'

- (A) Monica (B) Sleeps (C) Sofa

Direction (Q. No. 6 and 7) : Choose the right word.

6. The young one of cat is called _____.

- (A) Pup (B) Kitten (C) Cub

7. The _____ are going to the school.

- (A) Child (B) Children (C) Childrens

READING

Direction (Q. No. 8 to 11) : For the given picture, answer the following questions.



8. My name is Maria. I am a _____.

- (A) Maid (B) Teacher (C) Nurse

9. I am usually found in _____.

- (A) Hospitals (B) Police stations (C) Zoo

10. I take care of the _____.

- (A) Gardens (B) Patients (C) Teachers

11. I give _____ to my patients.

- (A) Medicines (B) Food (C) Homework

SPOKEN AND WRITTEN EXPRESSION

Direction (Q. No. 12 and 13) : Choose the right answer.

12. Tom : Jerry! Don't make a noise.

Jerry : _____

- (A) I am not a teacher, Tom.
(B) Thank you, Tom.
(C) Sorry, Tom.

13. Ali lived in a house with a large garden.

- (A) There were a lot of books on the table.
- (B) The school will start tomorrow.
- (C) The garden had many rose plants in it.

ACHIEVERS SECTION

Direction : Choose the correct option.

14. It's very pleasant there. So, _____ friends visit him.

- (A) An
- (B) Many
- (C) Few

Direction : Choose the best reply.

15. Where do you want to have lunch today?

- (A) Somewhere is fine.
- (B) Everywhere is fine.
- (C) Anywhere is fine.

SPACE FOR ROUGH WORK

ANSWERS

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