# SCIENCE OLYMPIAD FOUNDATION

# **SAMPLE PAPER SYLLABUS 2024-25**

CLASS













Total Questions : 35				Time: 1	
	PATTER	N & MARKING SO	CHEME		
Section	(1) General Awareness	(2) Current Affairs	(3) Life Skills	(4) Achievers Section	
No. of Questions	20	5	5	5	
Marks per Ques.	1	1	1	2	

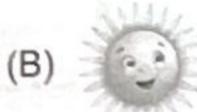


### **SYLLABUS**

Me and My Surroundings, Plants and Animals, India and the World, Science and Technology, Language and Literature, Earth and Its Environment, Sports, Maths Fun, Life Skills (Kindness, Soft Skills, Social Skills, Do's & Don'ts), Current Affairs.

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

- 1. Which of the following does NOT have light of its own?
  - (A)

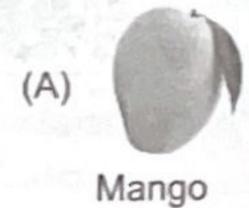




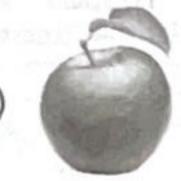


(D) None of these

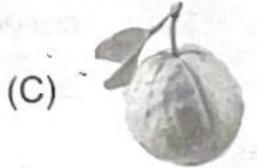
2. Which of the following is the National Fruit of India?



(B)



Apple



Guava



Watermelon

3. Which of the following is NOT a mode of transportation?



(B)





- (D) Both (B) and (C)
- 4. Identify the name of young one of the given animal.
  - (A) Cub
  - (B) Kid
  - (C) Calf
  - (D) Joey
- 5. When someone helps me, I say \_\_\_\_\_
  - (A) You are welcome
  - (C) Good morning

- (B) Thank you
- (D) Excuse me
- 6. Who is the current Chief Minister of Delhi?
  - (A) Mr. Narendra Modi
  - (C) Mr. Arvind Kejriwal

- (B) Mr. Ram Nath Kovind
- (D) Mrs. Pratibha Patil

7. Identify the festival related to the picture shown.



/ A \	F : -1
(A)	_E10
(11)	-IU

(B) Diwali

(C) Holi

(D) Gurpurab

8. In which of these words 'W' is NOT silent?

(A) Water

(B) Wrong

(C) Wrinkle

(D) Whole

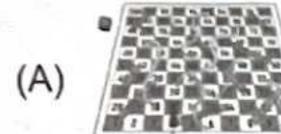
## **ACHIEVERS SECTION**

Rearrange the letters to make a meaningful word.

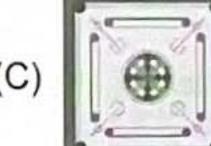
## **KAEBST**

- (A) Kettle
- (B) Bucket
- (C) Basket
- (D) Butter

10. Select the odd one out.











Time: 1 hr. Total Questions: 35 **PATTERN & MARKING SCHEME** (2) Reading (4) Achievers (1) Word and (3) Spoken and Section Written Expression Section Structure Knowledge 5 15 10 No. of Questions Marks per Ques. 1



Scan the QR code for more details

## **SYLLABUS**

Jumbled Letters, Words: Their Meanings and Opposites, Identify the Word From the Picture, Making a Word, Word Power, Feminine and Masculine, One and Many, Word Pairs, Odd One Out, Animals: Their Babies, Sounds and Groups, Nouns, Pronouns, Verbs, Conjunctions, Articles, Adverbs, Prepositions, Adjectives, Basic tenses, Punctuation, Comprehension (Prose and Poetry), Picture Composition, Spoken and Written Expression.

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

## WORD AND STRUCTURE KNOWLEDGE

- Choose the odd word.
  - (A) Helicopter
- (B) Airplane
- (C) Bird

(D) Jet

- Choose the correct word.
  - (A) Bottle
  - (B) Bowl
  - (C) Vase
  - (D) Box
- Choose the correct spelling.
  - (A) Swaeter
- (B) Sweatr
- (C) Sweater
- (D) Sweter

Choose the correct answer.

\_\_\_\_ table is dirty.

(A) Most

(B) Some

(C) The

(D) All

## READING

Direction (Q. No. 5 and 6): For the given picture, answer the following questions.



5.	Gitu and Mitu look				
8	(A) happy	(B) angry		(C) sad	(D) irritated
6.	Ram and Tinu are playing	ng	snowballs.		
	(A) with	(B) to		(C) over	(D) into

## SPOKEN AND WRITTEN EXPRESSION

Direction (Q. No. 7 and 8): Choose the correct option.

- 7. What did you have for lunch?
  - (A) I shall walk before lunch.

- (B) I like eating pasta.
- (C) Some sandwiches and orange juice.
- (D) Let me think.

Malathi: Did you enjoy the party?

Jacob:

- (A) Yes, please
- (B) Yes, thanks
- (C) Yes, not now (D) Wait

## **ACHIEVERS SECTION**

Choose the right answer.

A horse \_\_\_\_\_

- (A) barks
- (B) neighs
- (C) coos
- (D) meows

- 10. Choose the noun.
  - (A) Farmer
- (B) Beautiful
- (C) Tomorrow
- (D) Adventurous



	PATTERN & MA	RKING SCHEME	THE REAL PROPERTY.
Section	(1) Logical Reasoning	(2) Science	(3) Achievers Section
No. of Questions	5	25	5
Marks per Ques.	1	1	2



for more details

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

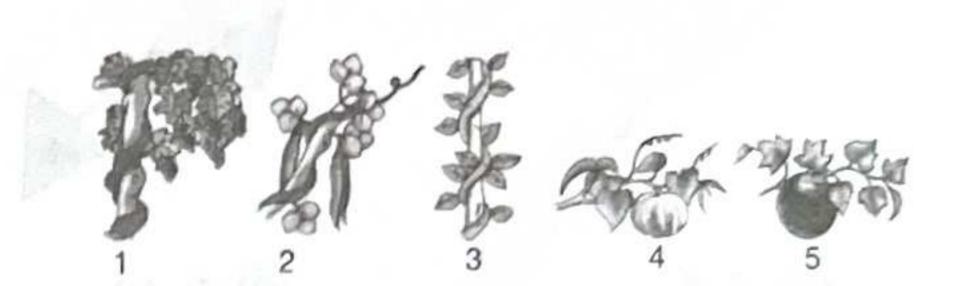
Section – 2: Living and Non-living Things, Plants, Animals, Human Beings and Their Needs, Good Habits and Safety Rules, Air and Water, Weather and The Sky.

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

	LOGICAL RE	EASONING
	The missing shape in the given clock is  (A) Circle  (B) Triangle  (C) Square  (D) Rectangle	
	If 5 is related to 8, then 4 is related to	
	(A) [] (B) (Q)(Q)	(c) 444 (D) \\ \(\text{X}\) \\ \(\text{X}\)
3.	Sanchit wakes up in the to go to school.  (A) Morning  (B) Night  (C) Afternoon  (D) Evening	
	SCIE	NCE
5.	Look at the given picture and complete the following Always cross the road at crossing.  (A) Horse (B) Zebra (C) Footpath (D) Traffic  is a living thing because	sentence.
	(A) It grows (C) It breathes	(B) It can make more of its kind (D) All of these
6.	Select the correct option.	
	(A) lives in water.	(B) can fly.
	(C) has six legs.	(D) is the largest living animal.
7.	Which part of our body helps us to see a flower?  (A) Eye  (B) Nose	(C) Ear
8.	Choose the correct sequence of words to complete to Summer days are while winter days are  (A) Cold, hot, a windy day, rainy	the paragraph given below.  A strong wind blows on Monsoor

## **ACHIEVERS SECTION**

- 9. Which among the following plants are creepers?
  - (A) 1, 2, 3 only
  - (B) 4, 5 only
  - (C) 1, 4, 5 only
  - (D) 1, 2, 3, 4 and 5



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

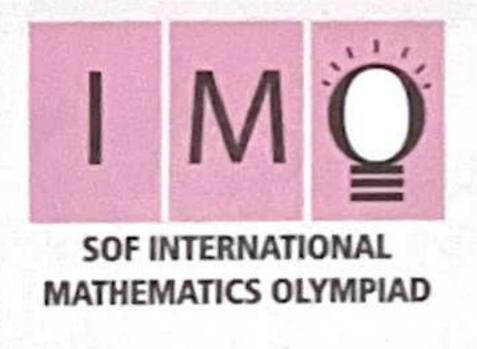


Bubbles

She took an empty glass.

She tilted the glass and slowly pushed it down into a tub of water.

- (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



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						



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## SYLLABUS

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

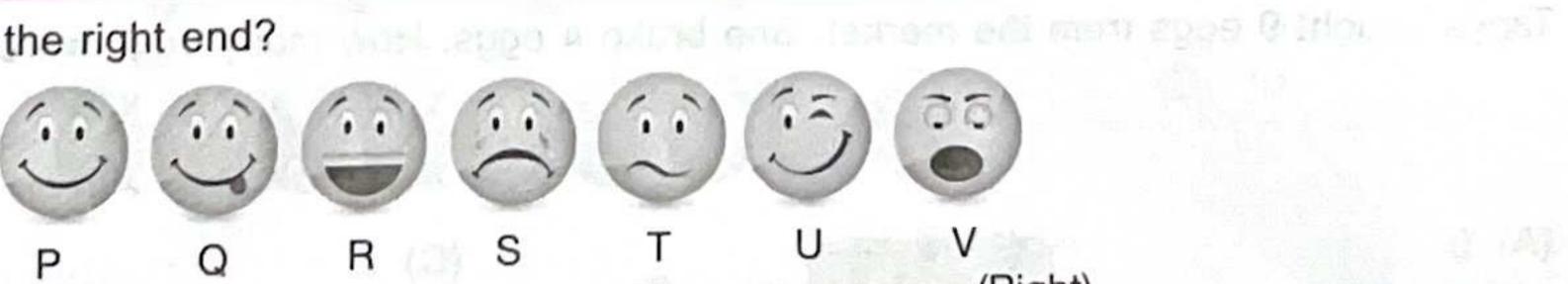
Section – 2: Numerals, Number Names, Number Sense (2-digit numbers), Addition, Subtraction, Lengths, Weights and Comparisons, Time, Money, Geometrical Shapes and Solids.

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?



(Right)

(A) T

(B) R

(C) Q

(D) U

2. The birds in the given image are flying

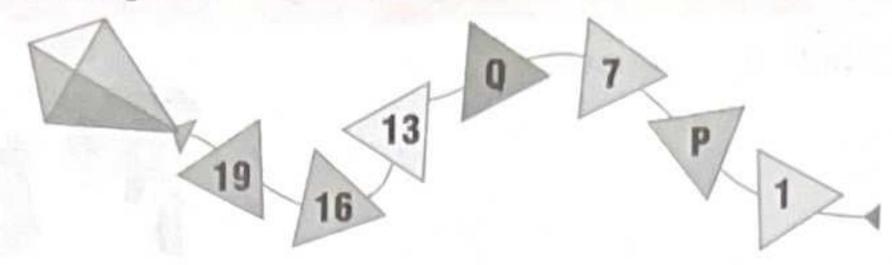
the house.



- (A) Inside
- (B) Above

- (C) Below
- (D) Under

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



(A) 2, 8

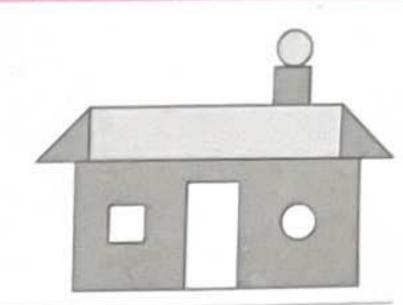
(B) 3, 10

(C) 3,8

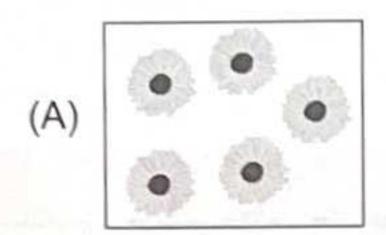
(D) 4, 10

## MATHEMATICAL REASONING

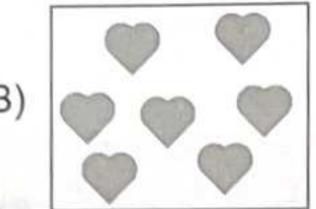
- 4. The number of straight lines in the given picture is \_\_\_\_\_.
  - (A) 20
  - (B) 23
  - (C) 22
  - (D) 19



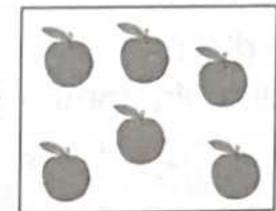
5. Which of the following sets has the greatest number of objects?



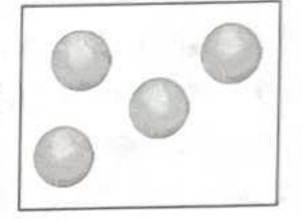




(C)



(D)



The length of the hockey stick is \_\_\_\_\_ units. (Use \_\_\_\_ as 1 unit).



(A) 7

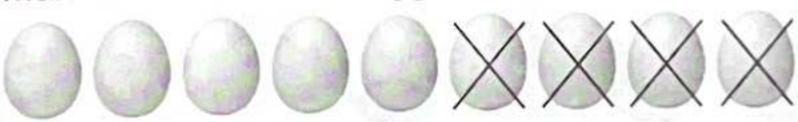
(B) 4

(C) 5

(D) 6

## **EVERYDAY MATHEMATICS**

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



(A) 5

(B) 4

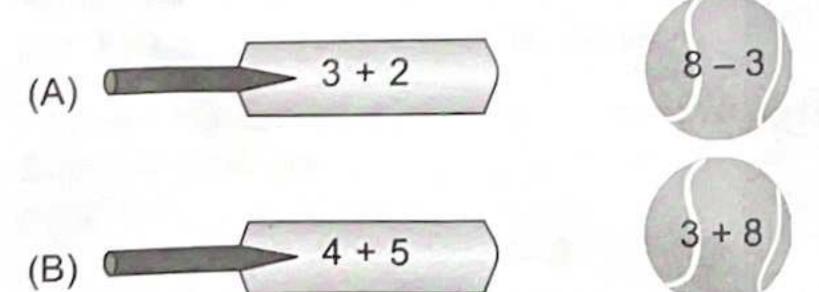
(C) 9

(D) 7

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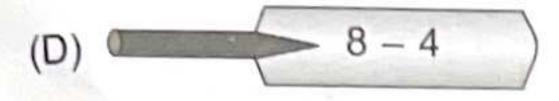
## **ACHIEVERS SECTION**

Select the incorrect match.











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



SOF INTERNATIONAL COMPUTER SCIENCE OLYMPIAD

	PA	ITERN & MARKING SCH	EME	
Section	(1) Logical Reasoning	(2) Computer Science	(3) Information Technology	(4) Achievers Section
No. of Questions	5	20	5	5
Marks per Ques.	1	1	1	2



Scan the QR code for more details

## SYLLABUS

Section - 1: Patterns, Odd One Out, Measuring Units, Geometrical Shapes, Spatial Understanding, Grouping, Analogy, Ranking Test, Problems based on Figures.

Section – 2: Introduction to Computers, Parts of Computer, Uses of Computer, Keys and Keyboard, Computer Mouse, Starting and Shutting Down the Computer, Introduction to MS-Paint.

Section - 3: IT Gadgets, Devices, Apps, Computerization, and other Developments in the Field of IT.

Section – 4: Higher Order Thinking Questions - Syllabus as per Sections 2 and 3.

Questions are based on Windows 10.

# LOGICAL REASONING

Find the missing number in the given number pattern.



(A) 11

(B) 13

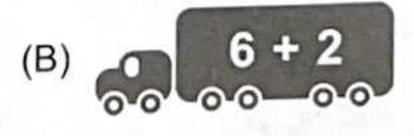
(C) 12

(D) 10

Select the odd one out.

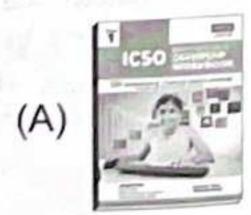


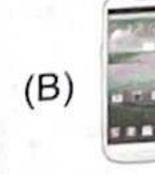






Which of the following is the heaviest?









## COMPUTER SCIENCE Which of the following is the longest key on the keyboard? (D) Ctrl (C) Enter (B) Spacebar (A) Delete Using computer keyboard, you can do \_\_\_\_\_ (D) Pushing (C) Hitting (B) Clicking (A) Typing A computer is a machine which helps us to \_\_\_\_\_. (D) All of these (B) Watch movies (C) Listen to music (A) Play games INFORMATION TECHNOLOGY 7. Which of the following is an example of an app? (D) All of these Identify the following. It is a computing device that resembles a wristwatch. It uses touchscreens, offer apps and often record heart rate, etc. (D) Smartwatch (C) Clock (B) Digital watch (A) Stopwatch **ACHIEVERS SECTION** Which of the following statements is CORRECT with respect to the given icon of MS-Paint in Windows 10? (A) It can be used as a Color Picker tool. It is known as Crayon brush. It is found under View tab. (D) We can change its width while coloring the picture. 10. When does this image appear on the computer screen? Shutting down (A) After you click on After you click on the Shut down button from power option in Start menu. After you click on the Sleep button from the Start menu. (D) None of these SPACE FOR ROUGH WORK

W. Topic	77	N S	DEFE.	246	Se is		1400	15 15		ANSWE	RS									
IGKO –	1	(A)	2.	(A)	3.	(D)	4.	(B)	5.	(B)	6.	(C)	7.	(C)	8.	(A)	9.	(C)	10.	(D)
EO -			2.	(A)	3.	(C)		(C)	5.	(A)	6.	(A)	7.	(C)	8.	(B)	9.	(B)	10.	(A)
150 -				(C)	3.	(A)	4.	(B)	5.	(D)	6.	(C)	7.	(A)	8.	(C)	9	(B)	10.	(D)
MO -					3.	(D)	4.	(D)	5.	(B)	6.	(D)	7.	(A)	8.	(A)	9.	(8)	10.	(A)
cso -		(A)	2.	(C)	3.	100	4.	(B)	5.	(A)	6.	(D)	7.	(C)	8.	(D)	9.	(A)	10.	(8)