

The actual test paper has 35 questions. Time allowed : 60 minutes. There are 3 sections: 10 questions in section I, 20 in section II and 5 in section III.

**SYLLABUS**

**Section – I (Logical Reasoning)** : Spatial Understanding, Grouping, Measuring Units, Analogy, Geometrical Shapes, Patterns, Odd One Out, Ranking Test.

**Section – II (Science)** : Plants, Animals, Human Beings and Their Needs, Good Habits and Safety Rules, Air and Water, Weather and the Sky.

**Section – III (Achievers Section)** : Syllabus as per Section – II.



NATIONAL SCIENCE OLYMPIAD

The actual test paper has 35 questions. Time allowed : 60 minutes. There are 4 sections: 10 questions in section I, 10 in section II, 10 in section III and 5 in section IV.

**Section – I** : Logical Reasoning

**Section – II** : Mathematical Reasoning

**Section – III** : Everyday Mathematics

**Section – IV** : Achievers Section (Syllabus as per Section – II)

**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.



INTERNATIONAL MATHEMATICS OLYMPIAD

The actual test paper consists of 35 questions. Time allowed : 60 minutes. There are 4 sections:

**Section – I** : Word and Structure Knowledge

**Section – II** : Reading

**Section – III** : Spoken and Written Expression

**Section – IV** : Achievers Section (Syllabus as per Sections I, II and III)

**SYLLABUS**

Jumbled Words, Words and Their Meanings, Words and Their Opposites, Identify the Word From the Picture, Making a Word, Feminine and Masculine, One and Many, Word Pairs, Odd One Out, Animals and Their Babies, Nouns, Verbs, Articles.



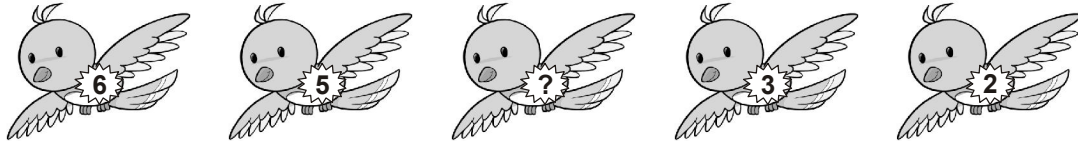
INTERNATIONAL ENGLISH OLYMPIAD

IN ASSOCIATION WITH



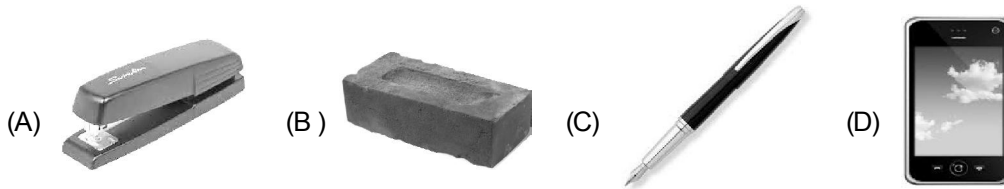
**LOGICAL REASONING**

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

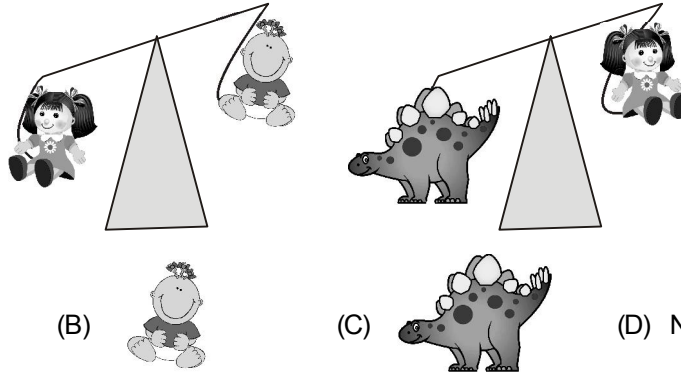





- (A) 1                      (B) 3                      (C) 4                      (D) 5

2. Which item is the heaviest?



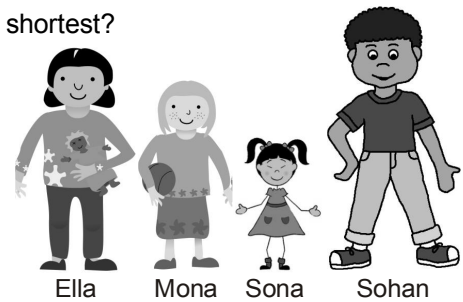
3. Which toy is the lightest?



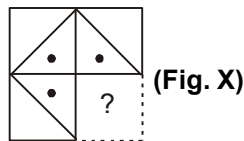
- (A)                       (B)                       (C)                       (D) None of these

4. Which of the following is the correct order from the tallest to the shortest?

- (A) Sohan, Ella, Mona, Sona  
 (B) Sona, Sohan, Ella, Mona  
 (C) Ella, Mona, Sona, Sohan  
 (D) Mona, Sona, Sohan, Ella



5. Which part will complete the Fig. (X)?



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

## SCIENCE

6. Look at the picture and complete the following sentence.



Always cross the road at \_\_\_\_\_ crossing.

- (A) Horse (B) Zebra (C) Footpath (D) Traffic
- 
7. Which of the following matches is correct?  
(A) Stop - Green light (B) Wait - Yellow light (C) Go - Red light (D) All of these
- 

8.  are the seeds of \_\_\_\_\_

- (A) Wheat (B) Rice (C) Rajma (D) Corn
- 
9. I am green and small. I can make you cry. I am a  
(A) Pea (B) Chilli (C) Ladyfinger (D) Spinach
- 

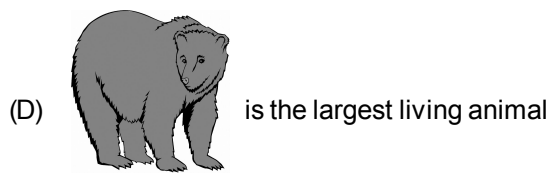
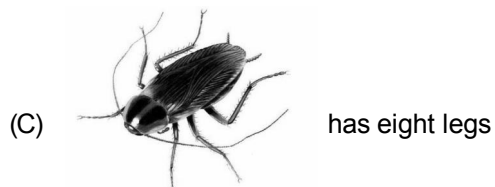
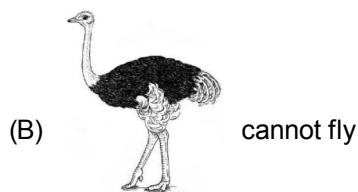
10. Unscramble the words given below to get the name of the home of the animal shown in the figure.

'ATSLBE'

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



11. Select the correct match.



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

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

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

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



14. 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

15. 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



# International Mathematics Olympiad

## 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) 

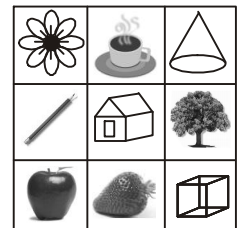
Sonika	Monika	Latika
--------	--------	--------

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?

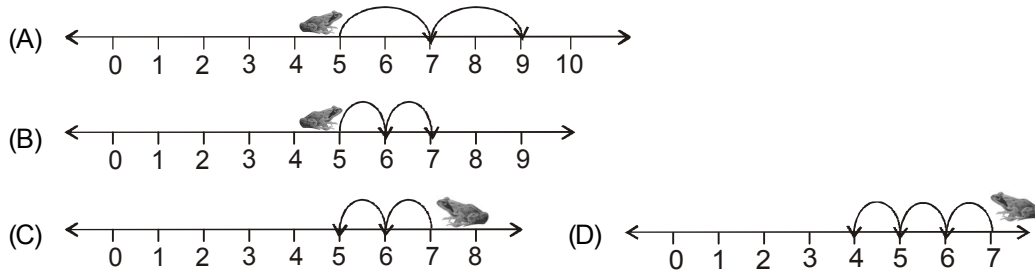
- (A)  (B)  (C)  (D) 

## MATHEMATICAL REASONING

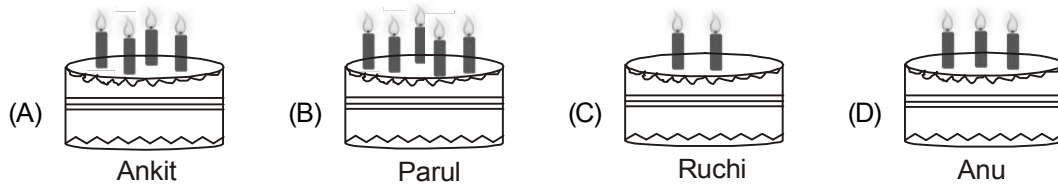
5. Which of the following shows a correct descending order?

- (A)  $10 \begin{matrix} \diagdown \\ 12 \\ \diagdown \\ 13 \\ \diagdown \\ 15 \end{matrix}$  (B)  $10 \begin{matrix} \diagdown \\ 9 \\ \diagdown \\ 8 \\ \diagdown \\ 7 \end{matrix}$  (C)  $15 \begin{matrix} \diagdown \\ 16 \\ \diagdown \\ 17 \\ \diagdown \\ 18 \end{matrix}$  (D)  $20 \begin{matrix} \diagdown \\ 19 \\ \diagdown \\ 17 \\ \diagdown \\ 25 \end{matrix}$

6. The  can jump two steps at a time. If it is at 5<sup>th</sup> 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. Add me to 4 and subtract me from 12. The answer is same. Who am I?
- (A) 14                      (B) 10                      (C) 6                      (D) 4

10. Look at the picture given below.



Which of the following number sentences represents above picture?

- (A)  $2 + 2 + 2$                       (B)  $2 + 2 + 4 + 4$                       (C)  $2 + 2$                       (D)  $2 + 2 + 2 + 2$

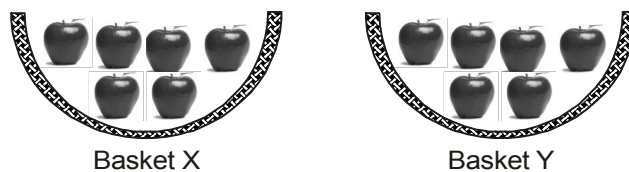


What is the total value of above coins?

- (A) ₹ 5                      (B) ₹ 2                      (C) ₹ 10                      (D) ₹ 20

**EVERYDAY MATHEMATICS**

12. 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.

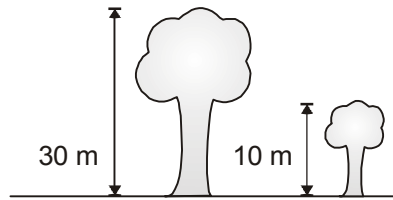
13. A chocolate costs ₹ 25. Jiah has only ₹ 13 now. How much more money does she need to buy the chocolate?

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

14. 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

15. The total height of both the trees together is \_\_\_\_\_.



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



# International English Olympiad

## WORD AND STRUCTURE KNOWLEDGE

1. Find the odd word.

- (A) Railway station
- (B) River
- (C) Train

2. Identify the picture.

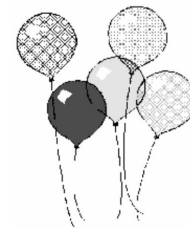
- (A) Bubble
- (B) Rainbow
- (C) Sun



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

BALL\_\_N

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



Direction (Q. No. 4 and 5) : Form a meaningful word.

4. Plca

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

5. Ssrga  
 (A) Ragss (B) Rgass (C) Grass
- 
6. Find the odd one out from the given sets of words.  
 East, west, north, but, south  
 (A) But (B) North (C) South
- 
7. The young one of cat is  
 (A) Pup (B) Kitten (C) Cub
- 
8. 'Monika sleeps on sofa'. Identify the verb.  
 (A) Monica (B) Sleeps (C) Sofa
- 
9. The ..... are going to the school.  
 (A) Child (B) Children (C) Childrens

### READING

**Direction (Q. No. 10 to 13) : For the given picture, answer the following questions.**



10. My name is Maria. I am a \_\_\_\_\_.  
 (A) Maid (B) Teacher (C) Nurse
- 
11. I am usually found in \_\_\_\_\_.  
 (A) Hospitals (B) Police stations (C) Zoos
- 
12. I take care of the \_\_\_\_\_.  
 (A) Animals (B) Patients (C) Teachers
- 
13. I give \_\_\_\_\_ to my patients.  
 (A) Medicines (B) Food (C) Home work

### SPOKEN AND WRITTEN EXPRESSION

**Direction (Q. No. 14 and 15) : Choose the right answer.**

14. Tom: Jerry! Don't make a noise.  
 Jerry: .....  
 (A) I am not a teacher, Tom.  
 (B) Thank You, Tom.  
 (C) Sorry, Tom.
- 
15. 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.

**SAMPLE ANSWER SHEET**

1. **NAME** : If your name is SACHIT AYER, then you should write as follows :

S	A	C	H	I	T	A													
---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--

2. **FATHER'S NAME** : If your father's name is SATISH KUMAR IYER, then you should write as follows :

S	A	T	I	S	H	K	U	M	A	R	I	Y	E	R					
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

SCHOOL CODE					
M	H	0	5	4	7
A	A	●	0	0	0
B	B	1	1	1	1
C	C	2	2	2	2
D	D	3	3	3	3
E	E	4	4	4	4
F	F	5	●	5	5
G	G	6	6	6	6
H	●	7	7	7	●
I	I	8	8	8	8
J	J	9	9	9	9
K	K				
L	L				
M	M				
N	N				
O	O				
P	P				
Q	Q				
R	R				
S	S				
T	T				
U	U				
V	V				
W	W				
X	X				
Y	Y				
Z	Z				

**3. SCHOOL CODE**  
Write your school code  
i.e. if your school code  
is MH0547 darken as  
follows :

Darken  
the circle

**6. GENDER**  
If you are a boy,  
then darken  
Male circle

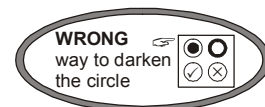
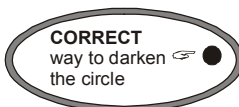
GENDER	
MALE ●	FEMALE ○

**4. CLASS**  
If you are in Class  
10, then you should  
darken as follows :

**5. ROLL NO.**  
If your roll no. is 587,  
then you should write  
and darken the circles  
as follows :

CLASS			ROLL NO.		
1	0		5	8	7
0	●	1	0	0	0
1	1	2	1	1	1
2	2	3	2	2	2
3	3	4	3	3	3
4	4	5	4	4	4
5	5	6	●	5	5
6	6	7	6	6	6
7	7	8	7	7	7
8	8	9	8	●	8
9	9		9	9	9

Darken  
the circle



7. If your choice for Answer 1 is C, then you should darken the circle as follows :

1. (A) (B) ● (D)

**MARK YOUR ANSWERS WITH HB PENCIL/BALL POINT PEN (BLUE/BLACK)**

**National Science Olympiad**

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

**International Mathematics Olympiad**

- |                     |                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1. (A) (B) (C) (D)  | 2. (A) (B) (C) (D)  | 3. (A) (B) (C) (D)  | 4. (A) (B) (C) (D)  | 5. (A) (B) (C) (D)  |
| 6. (A) (B) (C) (D)  | 7. (A) (B) (C) (D)  | 8. (A) (B) (C) (D)  | 9. (A) (B) (C) (D)  | 10. (A) (B) (C) (D) |
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**International English Olympiad**

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

**ANSWERS**

**National Science Olympiad**

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

**International Mathematics Olympiad**

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

**International English Olympiad**

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