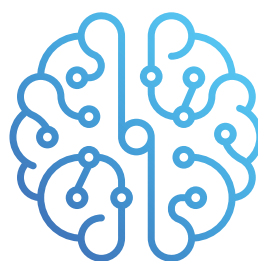




SILVERZONE FOUNDATION
New Delhi, India

STEM OLYMPIAD



Science | Technology | Engineering | Mathematics



STEM OLYMPIAD

**Geniuses are
~~born, not~~
made.**



About

SilverZone STEM Innovation Olympiads (STEM) is a noble pursuit encouraging our bright youth to take part in a cause that is much bigger than themselves. A forward-thinking movement to achieve excellence in the field of Science, Technology, Engineering and Mathematics.

Structure of the Olympiad

The Olympiad is open for Classes from 3rd to Class 10th and will be conducted in two stages.

Stage 1: National Stage

In this stage the student will compete with their counterpart from their home country. They will qualify for Stage 2 only after scoring a cutoff marking of 75%.

Stage 2: International Stage

In this stage the student will compete with all the students from other countries along with their home country. The top 100 winners scoring more than 75% in Stage 1 from every class of each country will be taking part in stage 2.

Test Paper

The language medium is English only. The examination is being conducted for all classes from 3rd to 10th with the following details.

For Classes 1-2: There will be 25 questions and the duration will be 40 Minutes.

For Classes 3-5: There will be 35 questions and the duration will be 40 Minutes.

For Classes 6-10: There will be 40 questions and the duration will be 50 Minutes.

The questions will be of objective type in nature with multiple choice answers. There is no negative marking.

Syllabus & Sample Questions

Science: Animals; Plants; Food, Air and Water; Human Body; Our Universe.

Technology & Engineering: Introduction to Computer, Types of computer, Uses of Computer, Parts of Computer, Working of Computer, Keyboard and Mouse, Introduction to Artificial Intelligence, Intelligence Assessment with Logical Reasoning.

Mathematics: Knowing Numbers, Fundamental Operation of Numbers, Patterns, Uses of Numbers in Daily Life, Measurement, Identifying 2D and 3D Shapes.

Science

1 Which among the following animals has fins?

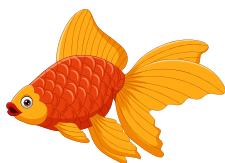
A.



B.



C.

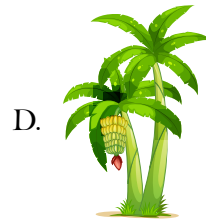
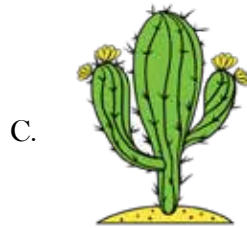
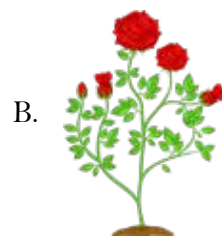


D.



2

Which among the following plants grow in water?



3

Which of the following activities causes air pollution?



Activity 1

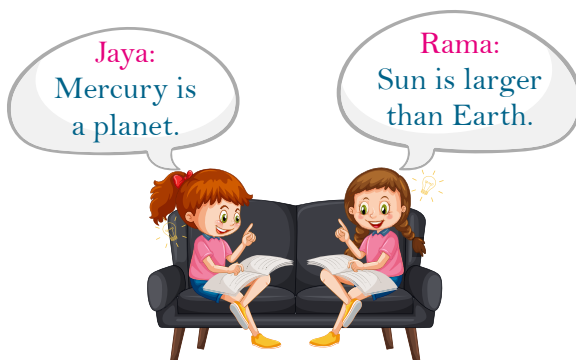


Activity 2

- A. Activity 1 only
 B. Activity 2 only
 C. Both the activities
 D. Neither of the activities

4

Who of the following is correct?



- A. Jaya
 B. Rama
 C. Both are correct
 D. Both are incorrect

Technology & Engineering

5





Match the following:

Column (A)

1. Special key
2. Alphabetic key
3. Numeric key
4. Function key

- A. 1 → i, 2 → ii, 3 → iii, 4 → iv
 C. 1 → iv, 2 → iii, 3 → i, 4 → ii

Column (B)

- i. 
- ii. 
- iii. 
- iv. 

- B. 1 → iv, 2 → i, 3 → iii, 4 → ii
 D. 1 → iv, 2 → iii, 3 → ii, 4 → i

6

Match the following with their names:

Column (A)

1. Printer
2. Speakers
3. Microphone
4. Scanner
5. Web camera

- A. 1 → P, 2 → S, 3 → T, 4 → R, 5 → Q
 C. 1 → R, 2 → S, 3 → T, 4 → P, 5 → Q

Column (B)

- P. 
- Q. 
- R. 
- S. 
- T. 

- B. 1 → R, 2 → Q, 3 → T, 4 → P, 5 → S
 D. 1 → S, 2 → R, 3 → P, 4 → T, 5 → Q

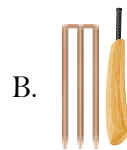
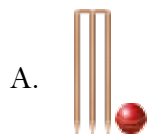
7

Which of the following is an input unit of a computer?



8

Find the next two figures to complete the figure pattern given below.



Mathematics

9

Which of the following is same as “53 ones + 64 tens = 1 thousand + 143 ones”?

A. $530 + 64 = 100 + 143$

B. $53 + 640 = 100 + 943$

C. $53 + 640 = 1000 + 143$

D. $503 + 640 = 1000 + 143$

10

Sharing  equally between ,

each will get _____.



11

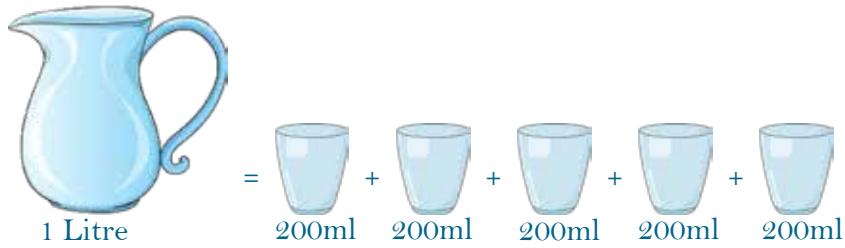
Raj has



He has the total amount same as _____.



12

Statement 1:Statement 2:

Which of the following is true?

- A. Statement 1 is true and Statement 2 is false.
- B. Statement 1 is false and Statement 2 is true.
- C. Both the statements 1 and 2 are true.
- D. Both the statements 1 and 2 are false.

ANSWERS

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



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