

# SMART SOCIETY INTERNATIONAL SCIENCE OLYMPIAD (SSISO)



## Organized by

Department of Basic Science and Humanities  
INSTITUTE OF ENGINEERING & MANAGEMENT,  
IEM-UEM GROUP and SMART SOCIETY, USA

**TOTAL QUESTIONS: 35**

**DURATION: 1 HOUR**

## INSTRUCTIONS TO THE CANDIDATES:

1. The question booklet is divided into 3 sections.  
Section A – Logical Reasoning (10 Questions)  
Section B - Science (10 Questions)  
Section C – Advanced Science (15 Questions)
2. In section A, each question carries 2 marks. In Section B, each question carries 2 marks. In section C, each question carries 4 marks.
3. All questions are compulsory. There is no negative marking. Use of a calculator is not permitted.
4. There is only one correct answer.
5. To mark your choice of correct answer, tick it by using an HB pencil.
6. Submit the question booklet to the invigilator.
7. Rough work should be done in the blank space provided at the end of the booklet.
8. Please fill in your personal details in the space provided below.

NAME: .....

SCHOOL NAME: .....

CONTACT DETAILS OF GUARDIAN: .....

## SECTION A

### LOGICAL REASONING

1. My father's nephew or niece is my –  
a) Cousin                      b) Uncle  
c) Aunt                        d) Brother-in-law

2. The person in the given figure is a/an



- a) Doctor                      b) Soldier  
c) Diver                        d) Astronaut
3. Look at the number sentence below.  $27 + \underline{\quad} = 37$  What number is missing from the number sentence?  
a) 0                              b) 10  
c) 17                             d) 64

4. Dolly made the number pattern below. 3, 6, 9, ? , ? , 18

What two numbers are missing from the pattern?

- a) 10, 11                      b) 12, 15  
c) 13, 15                      d) 19, 20
5. Select the odd one out –  
a) Milk                        b) Butter  
c) Curd                        d) Sugar

6. Which of the following modes of transport does not have an engine and are not pulled by animals?  
a) Cycle                        b) Tonga  
c) Jeep                         d) Car

7. To which place of worship does Sikhs go to pray?  
a) Temple                      b) Mosque  
c) Church                      d) Gurudwara

8. Which shape comes after the star in this pattern: star, square, circle, triangle, star, ?

- a) Square                      b) Circle  
c) Triangle                    d) Star

9. If the pattern is "red, yellow, green, red, yellow, green", what colour comes next?

- a) Red                         b) Yellow  
c) Purple                      d) Green

10. Put these animals in the correct order from smallest to largest: mouse, elephant, rabbit

- a) Mouse, rabbit, elephant  
b) Elephant, rabbit, mouse  
c) Rabbit, mouse, elephant  
d) Rabbit, elephant, mouse

## SECTION B

### SCIENCE

11. What do plants need to grow?

- a) Water                        b) Sunlight  
c) Soil                          d) All of the above

12. Which animal is known for its stripes?

- a) Zebra                        b) Lion  
c) Tiger                        d) Elephant

13. Which animal lives in the water?

- a) Crocodile                    b) Worm  
c) Ant                          d) Cow

14. What is the biggest planet in our solar system?  
a) Earth                      b) Mars  
c) Jupiter                    d) Saturn
15. Which part of the Earth is covered in water?  
a) Land                      b) Sky  
c) Ocean                    d) Mountains
16. What is the hottest part of the day?  
a) Morning                  b) Afternoon  
c) Evening                  d) Night
17. What is the state of water when it is frozen?  
a) Solid                      b) Liquid  
c) Gas                        d) None of the above
18. Which material is soft?  
a) Stone                      b) Wood  
c) Metal                      d) Cotton
19. What is the process of changing water to water vapour called?  
a) Freezing                  b) Melting  
c) Evaporation              d) Condensation
20. What is the source of light for the Earth?  
a) Moon                      b) Stars  
c) Sun                        d) Clouds
22. Which part of the plant absorb water?  
a) Root                        b) Leaf  
c) Flowers                    d) Stem
23. Which planet is known as the 'Red Planet'?  
a) Saturn                      b) Earth  
c) Mars                        d) Neptune
24. Find the statement that is False.  
a) Birds are the only animals that can fly.  
b) Plants give us carbon dioxide to breathe.  
c) The Earth moves around the sun.  
d) Moon is the only satellite of the Earth.
25. Identify the animal that eats both plants and animals.  
a) Tiger                      b) Cow  
c) Giraffe                    d) Bear
26. What do you call the dark shape formed when light is blocked?  
a) Shadow                    b) Reflection  
c) Volume                    d) colour
27. The sun gives us \_\_\_\_\_  
a) Water                      b) Food  
c) Light and heat            d) Air
28. What will happen, when you put ice in the sun?  
a) It will melt into water  
b) It will turn into a rock  
c) It will freeze more  
d) It will change its colour

## SECTION C

### ACHIEVER'S LEVEL

21. Living things need \_\_\_\_\_ to live.  
a) Air, water and light  
b) Air, water and food  
c) Water, soil and toys  
d) Books, toys and food
29. What is the source of energy?  
a) Sun                        b) Moon  
c) Tree                        d) Oceans

30. Your school bus stops when traffic signal shows \_\_\_\_\_ light.

- a) Pink                      b) Yellow
- c) Green                    d) Red

31. Raju only eats bread, rice and roti. Do you think he takes all the nutrition from food?

- a) Yes, he takes
- b) No, he is taking only carbohydrates
- c) No because he is not taking protein, vitamin, fats.
- d) Both b and c

32. Which of the following statements is true?

- a) A policeman keeps us safe
- b) A doctor gives us medicine
- c) A farmer bring us food
- d) All of these

33. A frog is an example of

- a) Reptile                      b) Insect
- c) Amphibian                d) Mammal

34. The Sun is a \_\_\_\_\_ .

- a) Star                        b) Planet
- c) Satellite                 d) Universe

35. Every living thing needs \_\_\_\_\_ to breathe.

- a) Carbon dioxide
- b) Oxygen
- c) Hydrogen
- d) Water



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# Space for rough work