

**S****I****M****S**<sup>®</sup>

(SCHOLARS INTEGRAL MATHS &amp; SCIENCE OLYMPIADS)

**BIGGEST NATIONAL LEVEL OLYMPIADS (STAGE - II)****MAX. MARKS : 100****SISO QUESTION PAPER****TIME: 60 MIN.**

NAME OF THE STUDENT : .....

HALL TICKET NUMBER : .....

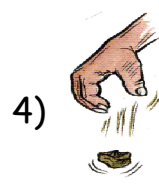
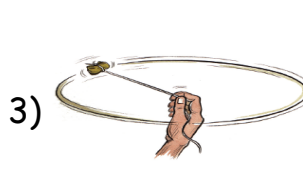
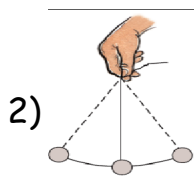
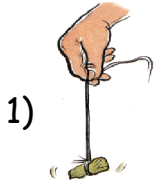
NAME OF THE SCHOOL : .....

**INSTRUCTIONS:**

- ✦ This question paper contains 25 questions.
- ✦ All questions are single correct answer type.
- ✦ Each question carries 4 marks.
- ✦ No negative marks.
- ✦ Check whether 25 questions printed or not.
- ✦ Read the instructions carefully given on the OMR sheet.
- ✦ Hand over OMR Sheet to the invigilator before leaving the exam hall.
- ✦ Retain Question paper with you.
- ✦ Results will be available at [www.simsolympiads.org](http://www.simsolympiads.org) .
- ✦ One copy of results will be sent to the concerned school mail id.

**Single Correct Answer Type :****25 × 4 = 100M**

1. A person has taken a stone and trying to move it in different ways as shown in the below figures. Which among them is moving in a straight line ?



2. Plants make their own food and thus do not depend on others. Therefore, they are called :
- 1) Consumers      2) Parasites      3) Autotrophs      4) Heterotrophs
3. Rohith and Rohan were fighting over a question that ice is a form of water or not. Sharath came in between and explained the three states of water. What would you do if you were in a similar situation as Sharath?
- 1) Scold them and ask them to keep quiet  
2) Explain the answer well so that both of them understand the concept clearly  
3) Take Rohith and Rohan to the police  
4) Take them to a doctor
4. Pick the odd one out ?
- 1) Turtle      2) Bat      3) Snake      4) Lizard
5. Choose the CORRECT option for the number of organs in our body.
- 1) Four Hearts, One Lung, One Kidney and One Liver, Four Sense organs  
2) One Heart, Two Lungs, Two Kidneys and One Liver, Five sense organs  
3) One Heart, Two Lungs, One Kidney and Two Livers, Three sense organs  
4) Two Hearts, Two Lungs, Two Kidneys and One Liver, Two sense organs
6. During a flood, a stream carries more water faster than normal. What will happen to rocks in the stream?
- 1) They will not change      2) They will get bigger  
3) They may move down stream      4) They will freeze
7. Tigers and Leopards have stripes on their bodies. This adaptation helps them to
- 1) Keep their bodies cool      2) Keep their bodies hot  
3) Mix with the surroundings      4) Look beautiful
8. Four students were talking about the air around us. Whose statement is correct ?
- 1) Tency - The air in my school is colourless.  
2) Harsha - Air in my room is blue.  
3) Vaishu - Air in my room is Pink.  
4) Rohan - Air has taste.
- 1) Vaishu      2) Ritu      3) Tency      4) Rohan
9. Why do animals move from place to place ?
- (i) To escape from dangers      (ii) In search of food  
(iii) To look for shelter      (iv) For reproduction
- 1) (i) & (ii)      2) (iii) & (iv)      3) (ii), (iii) & (iv)      4) (i), (ii), (iii) & (iv)
10. i) I cannot make my own food  
ii) I grow on dead plants and animals and absorb food from them.  
Identify who I am.
- 1) Maple      2) Mushroom      3) Croton      4) Cactus

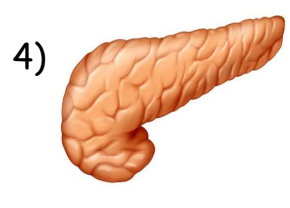
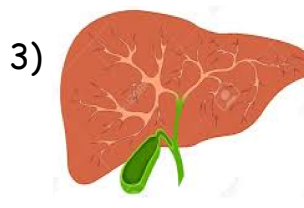
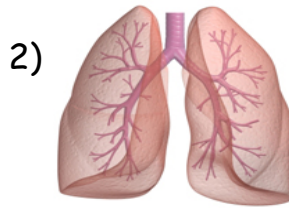
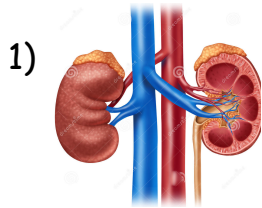
11. Raju: Hey Ravi! See my top. It is rotating very fast . . .

Ravi: Raju! You are correct. But it is also showing one more kind of motion. Can you guess what it is?

- 1) Oscillatory motion
- 2) Circular motion
- 3) Vibratory motion
- 4) We can't predict



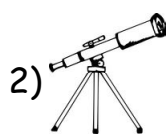
12. Rajesh father was a heavy drinker. He died a very painful death due to hepatitis. Which organ do you think was affected by hepatitis ?



13. Suraj was feeling hungry and wanted to have bread with butter nicely spread on it. But butter was very hard to cut with knife. So he left home with hungry. As his elder sister how will help him ?

- 1) Keep the butter in the fridge some time
- 2) Tell him that drink some water after every 10 min so that he will not feel hungry through out the day
- 3) Ask him to go to his friend house to eat something
- 4) Heat the butter and spread on the bread nicely

14. If you want to observe distant objects on earth closely, then you will make use of which of the following devices?



15. Camel shows many adaptations to survive in the desert. Which of the following statements does not hold true regarding this ?

- i) It has a hump where fat is stored.
- ii) It can stay without water for a long time.
- iii) It excretes large amount of water in the form of urine.
- iv) It sweats a lot.

- 1) (i) only
- 2) (ii) only
- 3) (ii) and (iv)
- 4) (iii) and (iv)

16. Look at the two organisms below. How are the mushrooms and mould similar?

- 1) They can move on their own.
- 2) They can make their own food.
- 3) They belong to the same group called fungi.
- 4) They do not need air, food and water to survive.

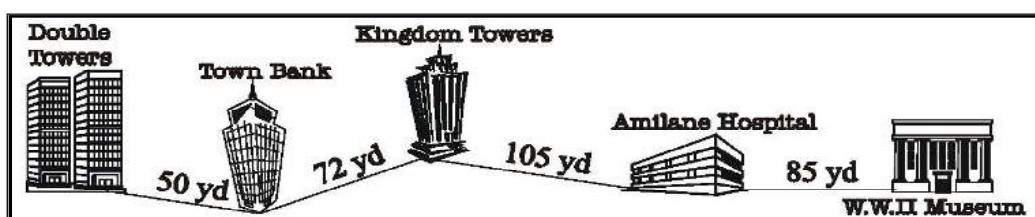


Mushroom



Mould

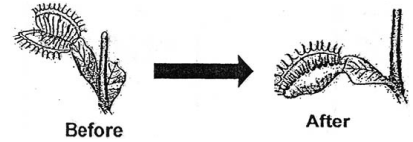
17. What is the distance from the Double towers to the Museum ?



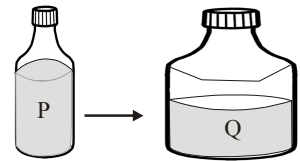
- 1) 50 yd
- 2) 122 yd
- 3) 227 yd
- 4) 312 yd

18. People in Japan construct houses made of wood because:
- 1) It is very cheap
  - 2) Of frequent earthquakes
  - 3) They are nomadic
  - 4) It is very cool inside the wooden house
19. Pradeep observes a venus fly trap plant in his garden. When an insect lands on the plant, it closes up. What can Peter conclude from his observation?

- 1) Living things grow.
- 2) Living things reproduce.
- 3) Living things respond to changes
- 4) Living things need air, food and water to survive.



20. 1 liter of milk present in container 'P' is transferred to container 'Q' as shown in the figure. Which of the following will change for milk because of the transfer?



- 1) Volume
- 2) Mass
- 3) Temperature
- 4) Shape

21. Which of the following plant part plays the role of conduction of water and minerals ?



22. Which of these below shows the correct arrangement from the biggest to the smallest length?

- 1) Millimetre → metre → centimetre → kilometre
- 2) Kilometre → metre → centimetre → millimetre
- 3) Centimetre → metre → kilometre → millimetre
- 4) Millimetre → centimetre → metre → kilometre

23. Which of the following is TRUE ?

- 1) All plants reproduce from seeds.
- 2) Roots, stems and leaves form the plant system.
- 3) Stems have only one function which is to support the plant.
- 4) A plant takes in water, mineral salts and food from the ground.

24. Which of the following is not true for cotton clothes ?

- 1) They allow body heat to escape
- 2) They absorb body heat
- 3) They let the air to circulate freely
- 4) They keep our body warm

25. Why does the moon seem to change shape?

- 1) Because it gets bigger and smaller
- 2) Because we only see the part of the moon that is lit by the sun
- 3) Because sometimes it is cloudy
- 4) Because sometimes it is rainy