

## Science Olympiad Level 3

| Sections       | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Total |
|----------------|----|----|----|----|----|----|----|----|----|-------|
| Marks obtained |    |    |    |    |    |    |    |    |    |       |

### General Instructions:

1. Duration of the exam is one hour.
2. The exam should be answered using pencil on the question paper itself.
3. Please read the questions carefully before answering them.
4. Fill in your details on this page before the exam begins.

### Student Details:

Name \_\_\_\_\_

Std \_\_\_\_\_

### Honour Code:

I pledge that I will not copy or take help from my friends/teachers while answering questions during this exam.

Signature/Name \_\_\_\_\_

**Total Marks: 50**

**Q1. Cross the odd one out.**

**(5 mks)**

1. Animal food – milk, butter, eggs, meat, rice
2. Our planets – mars, earth, sun, uranus, neptune
3. Herbivores – giraffe, cow, deer, fox, elephant
4. Artificial fibers – nylon, silk, polyester, rayon
5. Wading birds – cranes, flamingoes, ducks, herons

**Q2. Match the following.**

**(4 mks)**

- |  |                  |
|--|------------------|
| 1. Water changes into water vapour       | (a) condensation |
| 2. Water vapour changes into water drops | (b) evaporation  |
| 3. Water changes into ice                | (c) melting      |
| 4. Ice changes into water                | (d) freezing     |

**Q3. Answer the questions based on facts you have learnt.**

**(8 mks)**

1. How does a snake swallow an animal which is larger than its mouth?
  
  
  
  
  
  
  
  
  
  
2. How do we get energy to do work?

3. What is the first set of teeth called?

4. What are the characteristics of liquid?

5. Why should you follow safety rules?

6. What is the function of the heart?

7. What does a seed need to grow into a plant?

8. What is the standard unit of weight?

**Q4. Classify.**

**(5 mks)**

1. cereals, butter, potatoes, eggs, groundnut oil, pulses

A. Carbohydrates –

B. Fats –

C. Proteins –

2. hand span, measuring tape, stride, meter rod, ruler, foot span

A. Measurements in olden days –

B. Measurements today –

3. beans, corn, wheat, hibiscus, rice, tomato

A. Fibrous root –

B. Tap root –

4. mango, custard apple, peach, watermelon, plum, orange

A. Fruits with one seed –

B. Fruits with many seeds –

5. human beings, birds, elephants, fish, cat, snake

A. Living things that reproduce –

B. Living things that lay eggs –

**Q5. Explain.**

**(5 mks)**

1. We must take proper care of our permanent teeth to keep them in good condition-

2. A woodpecker has a strong pointed beak-

3. We can see things only when there is light -

4. We must drink plenty of water -

5. Water vapour is in the gaseous state -

**Q6. Choose the correct option.**

**(5 mks)**

1. Rohit was stopped by a traffic police for not following one of the safety measures while driving a car, what did Rohit not do -

- A. wear a helmet
- B. wear his seat belt
- C. wear a life jacket

2. It is the month of December and it is very cold outside, Mother asked Simran to wear her winter clothes, what must Simran wear -

- A. cotton dress
- B. woolen sweater
- C. silk scarf

3. Priya lives in a filthy neighbourhood, there is garbage thrown outside her house, this is very unhealthy because -

- A. flies and insects breed in the garbage
- B. garbage helps keep sickness away
- C. garbage makes the place look clean

4. The teacher was explaining the respiratory system to the class, she asked the students which organ gets rid of carbon dioxide -

- A. intestines
- B. lungs
- C. kidneys

5. Merwin was telling his friend that he saw dew drops on the flat broad side of the leaf, the flat broad side of the leaf is the -

- a. stomata
- b. chlorophyll
- c. lamina

**Q7. Give Reasons.**

**(6 mks)**

1. We should wash our clothes regularly -

2. Different kinds of food are needed by our body in the right proportion -

3. A duck has tiny holes in its beak -

**Q8. Say what will happen.**

**(6 mks)**

1. If we throw garbage and harmful chemicals into the soil -

2. If force is applied to a stationary box -

3. If a plant is uprooted from the ground and left in a plastic container -

4. If banana peels are thrown on the road -

**Q9. With the help of activities conducted, pick the correct option. (6 mks)**

1. Take some water in a cup. You will see the water has taken the shape of a cup. Pour the water in a saucer you will see the water takes the shape of the saucer. This is because –

- a. Water flows in all directions.
- b. Liquids have a definite shape.
- c. Liquids take the shape of the container.

2. Take half a glass of water and add a spoon of oil to it, you will observe that the oil –

- a. Will dissolve in water.
- b. Will float on top.
- c. Will turn solid.

3. When a ringing mobile phone is kept under a mattress it cannot be heard. This happens because –

- a. The sound produced is absorbed by the mattress
- b. Sound cannot be produced under the mattress
- c. The object cannot be seen so the sound cannot be heard

4. At the vegetable market the vendor does not have 1kg weight, he uses a kg of wheat purchased by us at another stores to weigh a kg of vegetables –

- a. 1 kg wheat is more than 1 kg of vegetables
- b. 1 kg of wheat is less than 1 kg of vegetables
- c. 1 kg wheat is equal to 1 kg of vegetables