

**Science Olympiad**  
**Downloadable Mock**  
**Level 5**

**General Instructions:**

1. Please note it is a Mock Paper. The questions might differ in the final exam.
2. The exam should be answered using pencil on the question paper itself.
3. Please read the questions carefully before answering them.

**Student Details:**

Name \_\_\_\_\_

Std \_\_\_\_\_

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

1. Soil conservation – Afforestation, construction of embankments, crop rotation, deforestation, development of pastures
2. Diseases due to deficiency of vitamins – night blindness, rickets, scurvy, beriberi, anemia

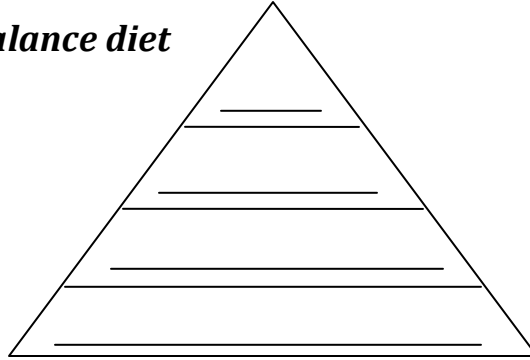
**Q2. Match the following.**

1. Bryophyllum	a. New plant from seeds
2. Sweet potato	b. New plant from stem
3. Mushroom	c. New plant from roots
4. Pomegranate	d. New plant from leaves
5. Rose	e. New plant from spores

**Q3. Drawn below is a food pyramid for a balanced diet. Fill in the blanks using the words from the bracket given below.**

*(Vitamins&Minerals, Fats, Carbohydrates, Proteins)*

***Food Pyramid for a balance diet***



**Q4. Answer the questions based on facts you have learnt?**

1. What are the different types of volcanoes?

2. What are substances made of?

3. What is the function of the endocrine system?

**Q5. Classify.**

1. iron, glass, rubber, cobalt, nickel, wood

a. Magnetic substances –

b. Non-magnetic substances –

2. iron rod pivoted on a small stone, claw hammer, tweezers, fishing rod, scissors, broom

a. First class lever –

b. Third class lever –

**Q6. Explain.**

1. Water must not be used to put out an electric fire.

2. Bubbles are formed when a bottle of soda is opened.

**Q7. Choose the correct option.**

1. A horseshoe magnet is brought close to a mixture of sawdust and iron nails. You will notice that -

a. the sawdust is blown away

b. the iron nails are blown away

c. the sawdust remains as it is but all the iron nails cling to the magnet

2. A frog lives on land and in water. It has two different organs for breathing. It uses its lungs on land and in water it uses its-

a. moist skin

b. spiracles

c. gills

**Q8. Give Reasons.**

1. If one's clothes catch fire, one must not run around in panic -

2. We can smell with the help of our nose -

**Q9. Say what will happen.**

1. If the fins of a fish are destroyed -

2. If frictional force is completely removed, while you are walking around -

**Q10. With the help of activities conducted, pick the correct option.**

1. A stretched rubber band regains its original shape after being released.

This happens because of-

a. Elastic force

b. Buoyant force

c. Electrostatic force

2. As you keep blowing air in a balloon it eventually bursts. This happens because -
- a. Air occupies space
  - b. Air exerts pressure
  - c. Hot air expands