

(L.O. - Learning Outcome)

L.O. Classifies object, living beings and process based on observed properties.

Q-1(A) Take a glass of water, pour the substances given below and stir them properly. After that observe the glass properly and classify soluble and insoluble substances on the basis of observation. (3)

1. Sugar(half teaspoon) 2. Mustard seeds(half teaspoon) 3. Two to three drops of coconut oil.

Q-1(B) Certain substances are placed in the beaker in given picture. If the following items are placed in a water filled beaker then state in what condition it remain. (2)

1. Gravel or the sand.
2. Drops of sunflower oil.



L.O. Classifies the substances and living beings on the basis of their characteristics, structure and function.

Q-2 (A) Identify the picture and the method of making cloth from a fabric on the basis of its characteristics. (2)

1. Two sets of yarns are required.



2. A single yarn is used.



Q-2 (B) Identify me. (3)

1. I am such a nutrient in food that does not require any chemical other than a paper to identify.
2. My presence can be detected by using water, copper sulphate and caustic soda with food.
3. I am made by twisting the fibres.

L.O. Conducts simple investigation to get the answer of the questions.

Q-3 How will you determine from which part of the plant, the following food items are obtained? (5)

(1) Ginger (2) Spinach (3) Egg plant (4) Carrot (5) Potato

L.O. Applies learnt scientific concepts in daily life.

Q-4 Answer the following questions.

1. Vishal eats only potatoes and bread in his daily diet. What would you say about the trouble he would face in doing so? (2)
2. What precautions you should take to ensure that nutrients are not lost from food? (2)
3. What precautions should be taken in your diet to avoid obesity? (1)

L.O. Links process and event with causes.

Q-5 (A) Give scientific reason. (4)

- (1) Inadequate and improper diet can lead to diseases.
- (2) Young children should be given adequate amount of vitamin rich food.

Q-5 (B) What is mainly responsible for stunted growth of a person, swelling of face, discoloration of hair and skin diseases? (1)