

Question Paper FA-I
(2016–17) Set A
CBSE Class 8 SCIENCE

General instructions:

- This question paper has 8 questions.
- Write the answers neatly and legibly.
- All the questions are compulsory.

1. Choose the correct answer to the following: (4)

a. Tomatoes are cultivated by the practice called _____.

i. transpiration ii. translocation iii. transportation iv. transplantation

b. Yeast is used in the production of _____.

i. sugar ii. alcohol iii. HCl iv. O₂

c. The process of beating out grains from the harvested wheat crop is called _____.

i. beating ii. crushing iii. threshing iv. winnowing

d. The carrier of dengue virus is _____.

i. cockroach ii. female Aedes mosquito

iii. female Anopheles mosquito iv. Housefly

Ans. a. iv. transplantation

b. ii. alcohol

c. iii. threshing

d. ii. female

Aedes mosquito

2. Name one plant disease caused by a bacterium. (1)

Ans. Citrus canker is a bacterial disease affecting citrus fruits.

3. a Name the method by which seeds are sown in fields manually. (2)

b. State two disadvantages of using the above mentioned method.

Ans. a. Broadcasting is a method by which seeds are sown in fields.

b. Disadvantage is seeds are unevenly distributed in the fields. The seeds are too close so they might not get proper amount of water, sunlight and nutrients.

4. How do vaccines help a person to develop immunity against a particular disease? (2)

Ans. Vaccines consist of dead and weakened microbes. When these are swallowed or injected into the body of a patient, the body produces antibodies to fight them. The antibodies remain in the body and protect it from future attack of disease causing germs.

5. Ankit was suffering from flu and high fever. He insisted on playing outside with his friends. His mother advised him not to go out, rather stay at home. Ankit followed his mother's advise and stayed at home. (3)

a. Why did Ankit's mother ask him to stay at home?

b. What values do we learn from Ankit's behaviour?

Ans. a. Ankit was suffering from flu which is a communicable disease and thus his mother wanted him to stay at home so that he could take rest and recover from the disease fast.

b. Ankit is an obedient child and loves his mother.

6. a. What is irrigation?

b. Describe two modern methods of irrigation which help in conservation of water. (3)

Ans. a. The method by which fields are supplied with water is known as irrigation

b. Modern methods of irrigation are Sprinkler system: water escapes from revolving nozzles and is sprinkled like rain on the crops. This is useful for sandy and uneven land. Drip irrigation: water is allowed to fall drop by drop from a pipe just near the roots of plants. This minimizes wastage of water.

7. a. Suggest one method to preserve the following food items: i. Cereals ii. Milk

b. Why do we add chemical preservatives to pickles? (3)

Ans. a. Cereals are preserved by dehydration or drying. Milk is preserved by heating or pasteurization.

b. Chemical preservatives are added so as to prevent the growth of microbes.

8. a. Name the agricultural implement used for both harvesting and threshing of crops.

b. Explain the step that is followed after threshing of crops.

Ans. a. Combine is the agricultural implement used for both harvesting and threshing of crops.

b. Winnowing is followed after threshing of crops. It is a method of separating the grains from chaff which is followed manually with the help of wind. The mixture is dropped from a height where heavier seeds fall vertically down whereas lighter chaff gets blown away by wind.