



CLASS - VIII SCIENCE NOTES

1. CROP PRODUCTION AND MANAGEMENT

I. Assertion and Reasoning Type Questions:

Note: Mark the correct choice as.

OPTION A - Both assertion and reason are true and reason is the correct explanation of assertion.

OPTION B - Both assertion and reason are true but reason is not the correct explanation of assertion.

OPTION C - Assertion is true but reason is false.

OPTION D - Assertion is false but reason is true.

1) Assertion (A): When a large number of plants are grown at the same place for food, it is called a Crop.

Reason (R): Wheat is the most important cereal crop in the world, followed by rice and maize.

Ans: (B) Both A and R are true but R is not the correct explanation of A.

2) Assertion (A): Weeds are unwanted plants that grow along with the main crops.

Reason (R): Weeds compete with the main crops for water, minerals and sunlight and therefore, reduce Crop yield.

Ans: (A) Both A and R are true and R is the correct explanation of A.

II. Answer the following Questions:

1. Explain how fertilisers are different from manure.

Fertilisers	Manures
(i) A fertiliser is an inorganic salt.	(i) Manure is a natural substance obtained by the decomposition of cattle dung, human waste and plant residues.
(ii) A fertiliser is prepared in factories.	(ii) Manure can be prepared in the fields.
(iii) A fertiliser does not provide any humus to the soil.	(iii) Manure provides a lot of humus to the soil.
(iv) Fertilisers are very rich in plant nutrients like nitrogen, phosphorus and potassium.	(iv) Manure is relatively less rich in plant nutrients.

2. What is irrigation? Describe two methods of irrigation which conserve water.

The artificial method of watering the plants for assisting in their growth is called irrigation. Main sources of irrigation are wells, tube-wells, ponds, lakes,

rivers.

Two methods which help us to conserve water are:

- (i) Sprinkler irrigation system: This irrigation system has an arrangement of vertical pipes with rotating nozzles on the top. It is more useful in the uneven and sandy land where sufficient water is not available.
- (ii) Drip irrigation system: This irrigation system has an arrangement of pipes or tubes with very small holes in them to water plants drop by drop just at the base of the root. It is very efficient as water is not wasted at all.

3. If wheat is sown in the kharif season, what would happen? Discuss.

Wheat crop is sown from November/December to March/April. It is grown in winter and requires less water. If wheat is sown in Kharif season, its production will be decreased considerably.

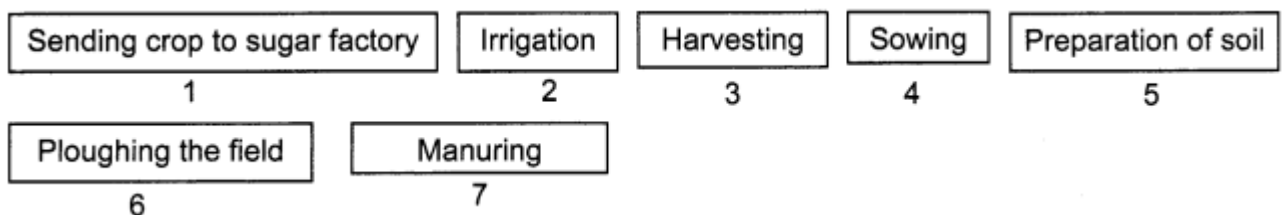
4. Explain how soil gets affected by the continuous plantation of crops in a field.

Continuous plantation of crops makes the soil poorer in certain nutrients as the crops take up nutrients from the soil. The soil becomes infertile. It does not get enough time to replenish the nutrients.

5. What are weeds? How can we control them?

The undesirable and unwanted plants which grow naturally along with the crop are called weeds. The growth of weeds can be controlled by adopting many ways. Tilling before sowing of crops helps in the uprooting and killing of weeds, which may then dry up and get mixed with the soil. Weeds are also controlled by using certain chemicals, called weedicides. Weedicides are sprayed in the fields to kill the weeds.

6. Arrange the following boxes in the proper order to make a flow chart of sugarcane crop production.



Answer:

