



CLASS VIII: Science  
Chapter 1: Crop Production and Management

Questions and Solutions | Page 13 - NCERT Books

**Q1.** Select the correct word from the following list and fill in the blanks :-

float, water, crop, nutrients, preparation

(a) The same kind of plants grown on a large scale at a place is called .....

(b) The first step before growing crops is ..... of the soil.

(c) Damaged seeds would ..... on top of water.

(d) For growing a crop sufficient sunlight, .....and..... from the soil are essential.

**Ans.** (a) crop (b) preparation  
(c) float (d) nutrients, water

**Q2.** Match items in column 'I' with those in column 'II'

**Column-I**

- (a) Kharif crops
- (b) Rabi crops
- (c) Chemical fertilisers
- (d) Organic manure

**Column-II**

- (i) Food for cattle
- (ii) Urea and super phosphate
- (iii) Animal excreta, cow dung, urine and plant waste
- (iv) Wheat, gram, pea
- (v) Paddy and maize

**Ans.** (a) – (v), (b) – (iv), (c) – (ii), (d) – (iii)

**Q3.** Give two example of each

- (a) Kharif crop
- (b) Rabi crop

**Ans.** Kharif crop (Rice, maize), rabi crop (wheat, gram)

**Q4.** Write a paragraph in your own words on each of the following :

- (a) Preparation of soil
- (b) Sowing
- (c) Weeding
- (d) Threshing

**Ans.** (a) **Preparation of soil :** Preparation of the soil involves loosening and turning the soil. This process is known as ploughing, is done by using a wooden or iron plough which pulls the soil. It is then levelled by using a wooden or iron leveller.

(b) **Sowing :** Seeds are sown after preparation of the soil. Seeds can be sown manually or by seed drills by the process called broadcasting. Seeds should be sown at the correct depth and at correct distance.

(c) **Weeding :** The process of removing weeds from a field is called weeding. Weeding can be done manually by pulling the weeds out by hand or by using a harrow to uproot them. Weeding can also be done by spraying special chemicals called weedicides.

(d) **Threshing** : The process of separating the grains from the cut crop, known as threshing. Threshing can be done manually by making oxen or buffaloes trample over the cut crop or by using a machine called thresher.

**Q5.** How fertilizers are different from manure ?

**Ans.**

<b>Manures</b>	<b>Fertilizers</b>
These are organic substances obtained by the decomposition of	These are artificial inorganic salts.
They are rich in organic nutrients, not rich in (NPK).	They are rich in Nitrogen, Phosphorus and Potassium (NPK).
They are not nutrient specific.	They are nutrient specific.
They are not soluble in water so absorbed slowly by plants.	They are soluble in water and absorbed quickly.
They are not harmful to the environment.	They are harmful to the environment.
They have nutrients in small quantity so needed in large quantity.	They have higher amount of nutrients so required in very small
They are bulky substances so difficult to store and transport.	They are in concentrated form and easy to transport and store.
They are prepared in field.	They are prepared in factories.

**Q6.** What is irrigation ? Describe two methods of irrigation which conserve water.

**Ans.** Supply of water to crops at appropriate intervals is called Irrigation.

Two methods of irrigation are :

- (i) Sprinkler system – Where it sprinkles on the crops as if it is raining.
- (ii) Drip system – In this system, the water falls drop by drop just at the position of the roots.

**Q7.** If wheat is sown in the Kharif season, what would happen ? Discuss.

**Ans.** The farmer will not get a good crop because wheat should be sown in winter season.

**Q8.** Explain how soil gets affected by the continuous plantation of crops in a field.

**Ans.** When the crops are planted continuously in a field, the soil becomes deficient in nutrients.

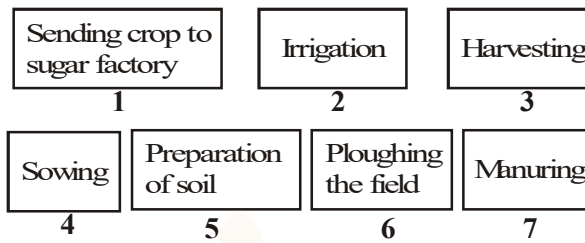
**Q9.** What are weeds? How can we control them ?

**Ans.** They are unwanted plants which grow along with a cultivated crop in a field. There are several methods to control weeds like :

- a. Mechanical methods
- b. Chemical methods
- c. Biological methods



**Q10.** Arrange the following boxes in proper order to make a flow chart of sugarcane crop production:



- Ans.**
- |                                                                                                                 |                                                                        |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <p>1. Preparation of soil.</p> <p>3. Sowing.</p> <p>5. Irrigation.</p> <p>7. Sending crop to sugar factory.</p> | <p>2. Ploughing the field.</p> <p>4. Manuring</p> <p>6. Harvesting</p> |
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**Q11.** Complete the following crossword puzzle with the help of clues given below :

**Across**

- 3. A machine used for cutting the matured crops(9)
- 4. A rabi crop that is also one of the pulses. (4)
- 6. A process of separating the grain from chaff.(9)

**Down**

- 1. Providing water to the crops (10)
- 2. Keeping crop grain for a long time under proper conditions.(7)
- 5. Certain plants of the same kind grown on a large scale. (4)

