

WEEK	TOPIC	QUESTIONS BASED ON THE TOPIC	ASSIGNMENT																		
1.	Crop Production and Management: https://youtu.be/MYdb3NTE4nQ	<p>Q1. Select the correct word from the following list and fill in the blanks. float, water, crop, nutrients, preparation</p> <p>(a) The same kind of plants grown and cultivated on a large scale at a place is called_____.</p> <p>(b) The first step before growing crops is_____of the soil.</p> <p>(c) Damaged seeds would_____ on top of water.</p> <p>(d) For growing a crop, sufficient sunlight,_____and _____from the soil are essential.</p> <p>Ans. (a) crop (b) preparation (e) float (d) water, nutrients.</p> <p>Q2. Match items in Column A with those in Column B.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Column A</td> <td style="text-align: center;">Column B</td> </tr> <tr> <td>(i) Kharif crops</td> <td>(a) Food for cattle</td> </tr> <tr> <td>(ii) Rabi crops</td> <td>(b) Urea and super phosphate</td> </tr> <tr> <td>(iii) Chemical fertilisers</td> <td>(c) Animal excreta, cow dung, urine and plant wastes</td> </tr> <tr> <td>(iv) Organic manure</td> <td>(d) Wheat, gram, pea</td> </tr> <tr> <td></td> <td>(e) Paddy and maize</td> </tr> </table> <p>Ans.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Column A</td> <td style="text-align: center;">Column B</td> </tr> <tr> <td>(i) Kharif crops</td> <td>(e) Paddy and maize</td> </tr> <tr> <td>(ii) Rabi crops</td> <td>(d) Wheat, gram, pea</td> </tr> </table>	Column A	Column B	(i) Kharif crops	(a) Food for cattle	(ii) Rabi crops	(b) Urea and super phosphate	(iii) Chemical fertilisers	(c) Animal excreta, cow dung, urine and plant wastes	(iv) Organic manure	(d) Wheat, gram, pea		(e) Paddy and maize	Column A	Column B	(i) Kharif crops	(e) Paddy and maize	(ii) Rabi crops	(d) Wheat, gram, pea	<p>1. Collect different types of seeds and put them in small bags.</p> <p>Label them.</p> <p>2. Collect pictures of some other agricultural machines and paste them in a file. Write their names and uses.</p>
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Q3. Give two examples of each:

(a) Kharif crop

(b) Rabi crop

Ans. (a) Paddy and maize. (b) Wheat and gram.

Q.4. 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: Soil is prepared before sowing the seeds. The soil is loosened to increase the absorption of water and manures. This allows the roots to penetrate deep into the soil.

The loose soil allows the roots to breathe easily even when they go deep into the soil.

The loosened soil helps in the growth of earthworms and microbes present in the soil. These organisms are friends of the farmer since they further turn and loosen the soil and add humus to it. That increases crop yields. Tilling or loosening the soil is done by ploughs which are pulled by a pair of bulls. Tractor driven cultivators are also used to loosen the soil.

(b) Sowing: After preparation of soil it is ready for sowing of

seeds. The healthy and clean seeds should be selected. The sowing is done by seed drills or funnel shaped tools. Seed drills are the modern instruments which sow the seeds at proper depth and proper distance.

(c) Weeding: The unwanted plants in the crops are called weeds. Weeding is necessary since weeds compete with the crop plants for water, nutrients, space and light. Thus, they affect the growth of the crop. Some weeds interfere even in harvesting and may be poisonous for animals and human beings. So it is necessary to remove them. Weeds are either removed manually or by mechanical tools. The process of removal of weeds is called weeding. Some chemicals like 2, 4-D are also used to kill the weeds.

(d) Threshing: Separation of grains from the chaff is called threshing. When the crop is harvested, it is cut along with the stalks. They are then separated and the grains are removed. Winnowing machine is used to separate grains from chaff.

Q5. Explain how fertilisers are different from manures.

Ans. (i) Manures are organic substances while fertilisers are chemical substances.

(ii) Manures are prepared in fields while fertilisers are prepared in factories.

(iii) Manures contain all the nutrients while fertilisers are rich in certain nutrients.

(iv) Manures provide humus while fertilisers do not provide any humus

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

Ans. The process of watering the crops is called irrigation.

Two methods of irrigation are:

(i) Sprinklers: Sprinklers work as fountains. Long perpendicular pipes have holes at regular distances. When water is supplied, it comes out of these holes and spray water in field. These holes have rotating nozzles which sprinkle water in all directions. They control wastage of water.

(ii) Drip System: This system is used to save water as it allows the water to flow drop by drop at the roots of the plants. It is the best technique for watering fruit plants, gardens and trees. Water is not wasted at all.

Q.7. If wheat is sown in the kharif season, what would happen? Discuss.

Ans. Wheat crop does not require much water to grow, so wheat would not grow in kharif season. The seeds would get destroyed in excess water due to rainy season.

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

Ans. If we sow continuously in a field then the lacking of nutrients takes place in the soil. The field becomes unfertile. It does not give any time to soil to replenish the nutrients. Thus the soil is unable to sustain any further healthy and good crop.

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

Ans. Weeds are unwanted plants. They grow with crops. They compete for nutrients and water with main crop. So weeds are very harmful. Process of controlling the weed is called weeding. Weeding is done manually by using khurpi and by using mechanical machines. Weeds are also controlled by using some chemical substances like 2, 4-D. These chemicals are called weedicide and used to kill and destroy the weed.