



Class-VIII

Science

Date:-23/04/2020

Chapter-1 (Crops)

❖ Do fair of the following Question-Answer

A. Answer in detail

1. What are the advantages of ploughing the soil?

Answer-

Ploughing has the following advantages:

- (a) Loose soil contains a lot of air spaces in it. This allows roots to breathe easily.
- (b) Loose soil allows the roots to penetrate deep into the soil. Thus, the plant is fixed to the soil firmly.
- (c) Ploughing uproots the undesirable plants (weeds) and kills them.
- (d) Loose soil mixes uniformly with manure or fertilizers.
- (e) Loose soil helps in the growth of earthworms and microbes present there.
- (f) Ploughing brings the nutrient-rich soil from the lower layers to the top and makes it easily available for plants to use.

2. Mention the points which a farmer should keep in mind while sowing seeds.

Answer-

Points to keep in mind while sowing seeds are:

- (a) Seeds should be of good quality and healthy (free from diseases).
- (b) They should be sown at the correct depth in the soil. The correct depth varies from crop to crop. If sown deep in the soil, roots will not be able to respire. If sown on the surface, birds may damage the seeds.
- (c) Seeds should be sown at proper distance from each other to prevent overcrowding of plants. This allows plants to get enough water, nutrients and sunlight.

3. What are the advantages of

- (a) Using manure
- (b) using fertilizer

Answer-

Advantages of using manure are:

- (a) Improves soil texture
- (b) Enhances the capacity of soil to hold water
- (c) Makes soil porous; exchange of gases, thus, becomes easier
- (d) Increases the number of soil friendly soil microbes

Advantages of using fertilizers are:

- (a) Easy to handle, store and transport
- (b) Not bulky, in comparison to manures
- (c) Provide specific nutrients to soil
- (d) Concentrated source of soil nutrients