



KALPAVRUKSHA MODEL SCHOOL

Answers Assignments-3

Class: VIII

Sub: Biology

Date: 05.08.2021

Topic: Crop production and management

I. Answer the following questions:

1. Abbreviate NSC. Write its functions.

Ans: National Seed Corporation. It is involved in producing good quality seeds and agricultural implements. It also helps in setting up seed testing laboratories in different parts of country.

2. Why is it necessary to select good quality seeds before sowing?

Ans: The selection of good quality seeds before sowing is used to improve the quality of yields. There are several diseases that are transmitted via the seeds. If the selected seeds are infected than it may lead to seed-borne diseases. Thus, always good quality of seeds is selected before sowing.

3. Explain an activity to separate healthy seeds from spoiled ones.

Ans: Take a beaker filled with water. Put some seeds in the beaker and leave them undisturbed for some time. Now observe the seeds inside the beaker. Some seeds settle down at the bottom of the beaker while some float on the surface of the water. By this method we can separate healthy seeds form spoiled ones.

4. Why is it necessary to avoid overcrowding of seeds while sowing? What can be done to avoid overcrowding of seeds?

Ans: Overcrowding of seeds may result in competition for air, sunlight and nutrients among the young plants that emerge from the seeds. Such competition is harmful for the young growing plants. So, it is necessary to avoid overcrowding by using seed drill to sow the seeds that helps to sow the seeds at even distance and depth.

5. What are the different ways of seed sowing?

Ans: The different ways of seeds sowing are:

- i) **Manual sowing:** It involves direct sprinkling of seeds into the soil or digging the soil and planting the seeds.
- ii) **Using a seed drill:** A seed drill is an instrument that can be pulled across the field using bullocks or a tractor.

6. Define irrigation.

Ans: The artificial supply of water to the soil at regular interval of time is called irrigation.