

# CHAPTER 12

# IMPROVEMENT IN FOOD RESOURCES

VEDA  
ACADEMY

CLASS 9<sup>TH</sup>

NCERT EXERCISE AND SOLUTIONS - SCIENCE



**Q. 1.** Explain any one method of crop production which ensures high yield.

**ANSWER:-**

**Method of Crop Production for High Yield:**

One method is irrigation. Proper irrigation ensures that crops get enough water, leading to better growth and higher yields.

**Q. 2.** Why are manure and fertilizers used in fields?

**ANSWER:-**

**Manure and Fertilizers in Fields:**

Manure and fertilizers are used to provide essential nutrients to the soil, such as nitrogen, phosphorus, and potassium, which help plants grow better and increase crop yield.

**Q. 3.** What are the advantages of inter-cropping and crop rotation?

**ANSWER:-**

**Advantages of Inter-cropping and Crop Rotation:**

**Inter-cropping:** Growing different crops together can reduce the risk of pests and diseases and make better use of space and nutrients.

**Crop Rotation:** Growing different crops in a sequence helps in restoring soil fertility and reduces the chances of soil erosion and pest attacks.

**Q. 4.** What is genetic manipulation? How is it useful in agricultural practices?

**ANSWER:-**

**Genetic Manipulation:**

Genetic manipulation refers to altering the DNA of plants or animals to enhance desirable traits like disease resistance or higher yield. It is useful in agriculture as it can produce crops that are more resistant to pests and diseases, grow faster, or withstand harsh environmental conditions.



**Q. 5. How do storage grain losses occur?**

**ANSWER:-**

**Storage Grain Losses:**

Grain losses in storage occur due to pest attacks (like insects or rodents), fungal infections, and moisture that can cause spoilage. Poor storage conditions lead to these losses.

**Q. 6. How do good animal husbandry practices benefit farmers?**

**ANSWER:-**

**Benefits of Good Animal Husbandry Practices:**

Good practices ensure better health, increased productivity, and higher quality products (like milk, eggs, and meat). This benefits farmers by improving their income and reducing losses.

**Q. 7. What are the benefits of cattle farming?**

**ANSWER:-**

**Benefits of Cattle Farming:**

Cattle farming provides milk, meat, and leather. Cattle also produce manure, which is a natural fertilizer for crops. It helps farmers with additional sources of income and improves soil fertility.

**Q. 8. For increasing production, what is common in poultry, fisheries and bee-keeping?**

**ANSWER:-**

**Common in Poultry, Fisheries, and Bee-keeping for Increasing Production:**

All these activities involve selecting high-yielding species, maintaining proper health care, and providing the right environment to increase production.

**Q. 9. How do you differentiate between capture fishing, mariculture and aquaculture?**

**ANSWER:-**

**Capture fishing:** Catching fish from natural water bodies (oceans, rivers).

**Mariculture:** Farming of marine organisms like fish, shellfish, and seaweed in the ocean.

**Aquaculture:** Farming of freshwater organisms (fish, prawns) in controlled environments like ponds or tanks.

