

Worksheet: Crop Production and Management (Tough Level)

Section A: Multiple Choice Questions (1 × 10 = 10 marks)

1. Which of the following practices prevents soil erosion most effectively?

- a) Sprinkler irrigation
- b) Crop rotation
- c) Drip irrigation
- d) Ploughing

2. Which modern farming technique is used to grow crops without soil?

- a) Organic farming
- b) Hydroponics
- c) Terrace farming
- d) Mixed farming

3. Which of these is an incorrect method of crop storage?

- a) Storing wet grains
- b) Using airtight containers
- c) Fumigation
- d) Using silos

4. Which of the following is not a biofertilizer?

- a) Rhizobium
- b) Azospirillum
- c) Ammonium nitrate
- d) Azotobacter

5. Why are leguminous crops grown in crop rotation cycles?

- a) They require less water
- b) They grow faster
- c) They fix nitrogen in the soil
- d) They need more fertilizer

6. Which of the following statements about threshing is incorrect?

- a) It separates seeds from husk

- b) It is done after winnowing
- c) It can be done manually or using machines
- d) It is done before harvesting

7. Why are granaries preferred over sacks for storing grains?

- a) Cheaper
- b) Easier to transport
- c) Better protection from pests and moisture
- d) Reusable

8. Which equipment ensures uniform depth and spacing during sowing?

- a) Hoe
- b) Seed drill
- c) Plough
- d) Cultivator

9. Which atmospheric factor has the greatest impact on crop drying post-harvest?

- a) Rainfall
- b) Temperature
- c) Wind
- d) Humidity

10. Which practice is most important for preventing pest attack during storage?

- a) Use of pesticides
- b) Proper ventilation
- c) Fumigation
- d) Washing grains

Section B: Short Answer Questions (2 × 5 = 10 marks)

1. Explain two scientific reasons why over-irrigation can harm crops.
2. Why is proper timing of sowing important for crop yield?
3. What are the advantages and disadvantages of using weedicides?
4. How does crop rotation help in maintaining soil fertility?
5. Why is it necessary to dry seeds before storing them?

Section C: Long Answer Questions (3 × 3 = 9 marks)

1. Explain the entire process of crop production from soil preparation to storage with at least 6 steps.
2. Discuss in detail how modern irrigation techniques help conserve water and improve crop yield.
3. Compare chemical fertilizers and organic manure based on composition, impact on soil, cost, and environmental effect.