

# SCIENCE (BIOLOGY)

## WORKSHEET\_150324

### CHAPTER 01 CROP PRODUCTION AND MANAGEMENT

SUBJECT: SCIENCE

CLASS : VIII

MAX. MARKS : 40

DURATION : 1½ hr

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#### SECTION – A

Questions 1 to 6 carry 1 mark each.

1. The process of loosening and turning of soil is called
  - (a) irrigation and manuring
  - (b) digging and winnowing
  - (c) tilling and ploughing
  - (d) harvesting and storage
2. Which of the following statement is not true for organic manure?
  - (a) It enhances the water holding capacity of the soil.
  - (b) It has a balance of all plant nutrients.
  - (c) It provides humus to the soil.
  - (d) It improves the texture of the soil.
3. Which of the following is not true for fertilisers?
  - (a) They increase the yield.
  - (b) Their excessive use disturbs the balance of nutrients in the soil.
  - (c) They are generally used in small quantity.
  - (d) They are environment-friendly.
4. Read the statements given below.
  - (i) Seeds require moisture for germination.
  - (ii) Plants can absorb nutrients mostly in dissolved form.
  - (iii) Irrigation protects crops from both frost and hot air currents.
  - (iv) Irrigation improves soil texture.Choose the combination of statements which indicate the need to irrigate crops.
  - (a) i and ii
  - (b) i, ii, iii
  - (c) i, ii, iii, iv
  - (d) i and iii
5. Given below are statements about the harmful effects of weeds on crop plants.
  - (i) They interfere with harvesting.
  - (ii) They help crop plants to grow healthily.
  - (iii) They compete with crop plants for water, nutrients, space and light.
  - (iv) They affect plant growth. Choose the correct combination of statements.
  - (a) i, iii, iv
  - (b) iii only
  - (c) iii, iv
  - (d) i, ii, iii, iv
6. In the below question, a statement of Assertion (A) is followed by a statement of Reason (R). Mark the correct choice as  
**Assertion (A):** Seed drill and hoe are the agricultural implements.  
**Reason (R):** Agricultural practices are done by using tools.
  - (a) Both A and R are true and R is the correct explanation of A
  - (b) Both A and R are true but R is not the correct explanation of A
  - (c) A is true but R is false
  - (d) A is false but R is true

#### SECTION – B

Questions 7 to 9 carry 2 marks each.

7. (a) Name the practice followed for large scale rearing of farm animals.  
(b) What facilities are provided to farm animals?
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8. Why is the depth at which seeds are planted important?
9. What is crop rotation ?

### **SECTION – C**

**Questions 10 to 13 carry 3 marks each.**

10. List out any two differences between fertilisers and manures.
11. (a) Name the tool used with a tractor for sowing seeds in a field.  
(b) What are the advantages of using this tool?
12. Paddy is a major cereal crop in our country.  
(a) In which season is paddy cultivated?  
(b) Discuss the method of sowing.  
(c) What measures must be taken to prevent spoilage and insect attack of harvested grains?
13. Write a short note on animal husbandry.

### **SECTION – D**

**Questions 14 to 16 carry 4 marks each.**

14. Give short notes on: (a) Storage of grains (b) Crop rotation.
15. Define transplantation. How is transplanting useful to the farmer ?
16. Why preparation of soil is necessary before crop production?

### **SECTION – E (Case Study Based Question)**

**Question 17 carry 4 mark**

17. A boy named Yash from Gwalior who studies in 8th standard is very fond of plants. He has a small garden in the backyard. Where he's planted many small plants and takes good care of them. He regularly waters all the plants and uses fertilizers on them to keep them healthy. One day, a small announcement was made in school. In summer vacations, every student needs to do a project according to his/her own interest. Yash decided to grow a plant during summers and present it in front of the whole class as his project. Yash decided to grow peas. So he went to the market and bought the best quality seeds, sand and fertilizers. He came back home, went to the backyard and planted the seed. Started taking good care of it. But as day passed he began to realise that the seeds he planted are getting worse. The plant was unhealthy and very poor in quality. He tried everything but was unable to figure out the solution.



**Based on the above information, answer the following questions:**

(i) Rabi crops are grown in which period?

- (a) February to June                      (b) October to March  
(c) June to November                      (d) December to January

(ii) Which system is used for irrigation?

- (a) Water                      (b) Sprinkler System                      (c) Drip System                      (d) Both b and c

(iii) Why Yash's crops were grown unhealthy?

(iv) What are the disadvantages of fertilisers?