

CLASS IX (MODULE 1)
Chapter 15
IMPROVEMENT IN FOOD RESOURCES

Multiple Choice Questions

1. Which one is an oil yielding plant among the following?
(a) Lentil (b) Sunflower (c) Cauliflower (d) Hibiscus
2. Which one is not a source of carbohydrate?
(a) Rice (b) Millets (c) Sorghum (d) Gram
3. Find out the wrong statement from the following
(a) White revolution is meant for increase in milk production
(b) Blue revolution is meant for increase in fish production
(c) Increasing food production without compromising with environmental quality is called as sustainable agriculture
(d) None of the above
4. To solve the food problem of the country, which among the following is necessary?
(a) Increased production and storage of food grains
(b) Easy access of people to the food grain
(c) People should have money to purchase the grains
(d) All of the above
5. Find out the correct sentence
(i) Hybridisation means crossing between genetically dissimilar plants
(ii) Cross between two varieties is called as inter specific hybridisation
(iii) Introducing genes of desired character into a plant gives genetically modified crop
(iv) Cross between plants of two species is called as inter varietal hybridisation
(a) (i) and (iii) (b) (ii) and (iv) (c) (ii) and (iii) (d) (iii) and (iv)
6. Weeds affect the crop plants by
(a) killing of plants in field before they grow
(b) dominating the plants to grow
(c) competing for various resources of crops (plants) causing low availability of nutrients
(d) all of the above.

7. Find out the correct sentence about manure

- (i) Manure contains large quantities of organic matter and small quantities of nutrients.
- (ii) It increases the water holding capacity of sandy soil.
- (iii) It helps in draining out of excess of water from clayey soil.
- (iv) Its excessive use pollutes environment because it is made of animal excretory waste.

(a) (i) and (iii) (b) (i) and (ii) (c) (ii) and (iii) (d) (iii) and (iv)

8. Which one of the following nutrients is not available in fertilizers?

(a) Nitrogen (b) Phosphorus (c) Iron (d) Potassium

9. Preventive and control measures adopted for the storage of grains include

- (a) strict cleaning (b) proper disjoining
- (c) fumigation (d) all of the above

10. What is the process of growing two or more crops in a definite pattern?

- (a). Crop rotation (b). Inter-cropping
- (c). Mixed cropping (d). Organic cropping

Short Answer Questions

1. Fill in the blanks

- (i) Pigeon pea is a good source of _____.
- (ii) Berseem is an important_____crop.
- (iii) The crops which are grown in rainy season are called_____crops.
- (iv) _____are rich in vitamins.
- (v) _____ crop grows in winter season
- (vi) Pigeon pea is a good source of _____.
- (vii) Berseem is an important_____crop.
- (viii) Photoperiod affect the_____.
- (ix) Kharif crops are cultivated from_____to_____.
- (x) Rabi crops are cultivated from_____to_____.
- (xi) Paddy, maize, green gram and black gram are_____crops.
- (xii) Wheat, gram, pea, mustard are_____crops.
- (xiii) A total of_____nutrients are essential to plants.

- (xiv) _____ and _____ are supplied by air to plants.
(xv) _____ is supplied by water to plants.
(xvi) Soil supply _____ nutrients to plants.
(xvii) The nutrients that are required in large quantity are called as _____.
(xviii) The nutrients needed in small quantity for plants are called _____.

2. Give one word for the following

- (a) Farming without the use of chemicals as fertilizers, herbicides and pesticides is known as _____.
(b) Growing of wheat and groundnut on the same field is called as _____.
(c) Planting soyabean and maize in alternate rows in the same field is called as _____.
(d) Growing different crops on a piece of land in pre-planned succession is known as _____.
(e) *Xanthium* and *Parthenium* are commonly known as _____.
(f) Causal organism of any disease is called as _____.

3. Arrange these statements in correct sequence of preparation of green manure.

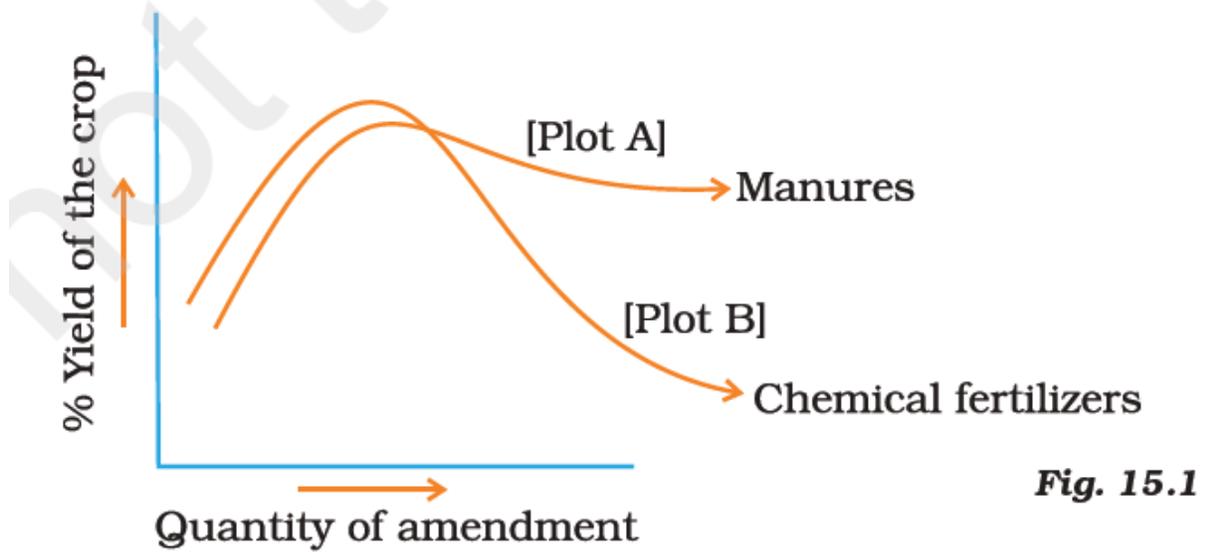
- (a) Green plants are decomposed in soil.
(b) Green plants are cultivated for preparing manure or crop plant parts are used.
(c) Plants are ploughed and mixed into the soil.
(d) After decomposition it becomes green manure

4. Define (i) Vermicompost
(ii) Green manure
(iii) Bio fertilizer

5. Figure 15.1 shows the two crop fields [Plots A and B] have been treated by manures and chemical fertilizers respectively, keeping other environmental factors same. Observe the graph and answer the following questions.

- (i) Why does plot B show sudden increase and then gradual decrease in yield?
(ii) Why is the highest peak in plot A graph slightly delayed?

(ii) What is the reason for the different pattern of the two graphs?



6. What is a GM crop? Name any one such crop which is grown in India

7. Define the term hybridization and photoperiod.

8. Differentiate between Mixed cropping and Inter cropping.
