

15. Improvement in Food Resources

Q 1 What is crop rotation?

Mark (1)

Q 2 Name some plants which are used as fodder for animals.

Mark (1)

Q 3 How are plants diseases controlled ?

Mark (1)

Q 4 Define fertilizers.

Mark (1)

Q 5 What are micro-nutrients for plants?

Mark (1)

Q 6 What is manure?

Mark (1)

Q 7 What are draught animals?

Mark (1)

Q 8 Why is summer ploughing useful?

Mark (1)

Q 9 Name the two nutrients supplied by green manure?

Mark (1)

Q 10 What are essential elements for plants? Which important elements are obtained from air and water?

Marks (2)

Q 11 What are weeds? Give examples?

Marks (2)

Q 12 What are the kharif and rabi crops?

Marks (2)

Q 13 State any two advantages of mixed cropping?

Marks (2)

Q 14 Name the seed borne and soil borne diseases.

Marks (2)

Q 15 Name three high yielding breeds of cow.

Marks (2)

Q 16 What do you know about milch animals?

Marks (2)

Q 17 Differentiate between manure and fertilizers.

Marks (2)

Q 18 What is the difference between autotrophs and heterotrophs?

Marks (2)

Q 19 Discuss the factors responsible for loss of crop during storage?

Marks (2)

Q 20 Name two plants which act as insecticides.

Marks (2)

Q 21 Name the types of poultry breeds?

Marks (2)

Q 22 Fill the missing words in the given table:

| Organism | Desired Characters |
|----------|-----------------------|
| | Pest resistance |
| Layers | |
| | Long lactation period |
| Fish | |

Marks (2)

Q 23 Name the crops used for mixed cropping with the following crops (a) Groundnut (b) Wheat (c) Soyabean (d) Cotton.

Marks (2)

Q 24 Give at least one desired quality that one should look for in the crops given below:

- (a) Wheat
- (b) Fruits
- (c) Fodder
- (d) Cereals

Marks (2)

Q 25 Fill the missing words in the given table:

| Crop | Source |
|------------|--------------|
| | Carbohydrate |
| Pigeon Pea | |
| Sesame | |
| Turmeric | |

Marks (2)

Q 26 Fill the missing words in the given table:

| Water System | Source |
|--------------|----------------------|
| | Water bearing strata |
| Canals | |
| | Rain water |
| | Rivers |

Marks (2)

Q 27 What is plant breeding?

Marks (3)

Q 28 Write the ways in which insect pests attack the plants.

Marks (3)

Q 29 What is hybridization? What are its types?

Marks (3)

Q 30 List three common objectives of crop improvement.

Marks (3)

Q 31 What do you understand by green manuring? Give examples of crops used as green manure.

Marks (3)

Q 32 Which criteria should be kept in mind for selecting the crops for inter-cropping?

Marks (3)

Q 33 What are the functions of organic matter present in manure in soil?

Marks (3)

Q 34 (a) Name a nitrogen fixing bacteria?

(b) Which type of crop is generally grown between two cereal crops to restore soil fertility?

(c) Name two crops used for preparing green manure.

Marks (3)

Q 35 Write the full forms of:

(a) FYM

(b) HYV

(c) NDRI

Marks (3)

Q 36 Fill the missing words in the given table:

| Crops | Use |
|------------|--------------------|
| Sunhemp | |
| | Biopesticide |
| Turmeric | |
| Gajar ghas | |
| Berseem | |
| | Food for livestock |

Marks (3)

Q 37 Fill in the key words in the given flow chart showing practices involved in farming:

Choice of _____ for planting



_____ of crop plants



Protection of the _____ and _____ crops from loss

Marks (3)

Q 38 Give at least one desired quality that one should look for in the crops given below:

- (a) Wheat
- (b) Fruits
- (c) Fodder

Marks (3)

Q 39 Describe composite fish culture system.

Marks (5)

Q 40 What qualities should be taken into consideration while selecting varieties of birds for poultry farming?

Marks (5)

Q 41 What are the food requirements of dairy animals?

Marks (5)

Q 42 Discuss various types of irrigation systems adopted to supply water to agricultural lands?

Marks (5)

Q 43 (a) Explain:

- i. Rain water harvesting
- ii. Watershed management

(b) Give an example to explain improvement in cattle breeds.

Marks (5)

Q 44 (a) Give two advantages of composite fish culture systems.

(b) Give the significance of pasturage in bees.

(c) Why Italian bees are considered important for commercial honey production?

Marks (5)

Q 45 (a) What is organic farming?

(b) Justify the statement: "Organic farming works in harmony with nature rather than against it."

(c) Why earthworms are called "Farmer's friend"?

Marks (5)

Most Important Questions

Q 1 What are the three stages at which improvement of crops can be done?

Q 2

1. Give two examples of each:

- (a) Cereals
- (b) Oilseeds
- (c) Fodder crops
- (d) pulses

Q 3 What is the method to get desired characteristics of two different species of plant in the same plant?

Q 4 What are the two agricultural seasons in India? Name the crops grown during each of the two seasons.

Q 5 What are the advantages of shorter duration of maturity of crops?

Q 6 What are the desirable agronomic characteristics for fodder crops and for cereals?

Q 7 What are the biotic and abiotic factors that can cause harm to a crop?

Q 8 What are macro and micro nutrients required for the growth of plants?

Q 9 What are the benefits of manure?

Q 10 Write a short note on the two types of manure.

Q 11 What nutrients are provided by fertilisers?

Q 12 Why is there a need for organic farming?

Q 13 What are the various methods adopted in Organic farming?

Q 14 Why are irrigation systems needed in India?

Q 15

1. Give an example of each:

- (a) Pest of stored grain
- (b) Plant disease
- (c) Herbicide

Q 16 What are the various methods of irrigation in India?

Q 17

1. What is the difference between mixed cropping and intercropping?

Q 18 Name some combinations of crops that can be sown in mixed cropping.

Q 19 What do you understand by crop rotation?

Q 20 What are the factors, on which the choice of crops for crop rotation depends?

Q 21 What are weeds? What are the various methods to prevent the growth of weeds?

Q 22

1. How can insect pests affect the crop?

Q 23 What are the advantages of mixed cropping?

- Q 24 What harm can be caused to stored crop by biotic and abiotic factors?
- Q 25 What control measures should be taken to prevent damage of stored crop?
- Q 26 What do you understand by milch animals?
- Q 27 Name some exotic and indigenous breeds of cows.
- Q 28 What is lactation period? Why is it important in dairy farming?
- Q 29 What qualities of exotic and Indian breeds are desired in crossbred dairy animals?
- Q 30 What is animal husbandary?
- Q 31 What type of food is provided to the dairy animals for milk production?
- Q 32 What symptoms does a diseased animal show?
- Q 33 What is the difference between broilers and layers?
- Q 34 Give an example of each: An indigenous breed and an exotic breed of fowl.
- Q 35 What are the advantages of using cross breeds of poultry?
- Q 36 What type of food is given to the broilers?
- Q 37 What are the two types of fisheries?
- Q 38 Name some fresh water and some marine fish.
- Q 39 What is mariculture? Name the animals cultured in mariculture.
- Q 40 What is composite fish culture?
- Q 41 What are the differences between aquaculture and apiculture?
- Q 42 Name the Italian species of bee used for honey production. What are the advantages of this species?
- Q 43 What is pasturage? Why is it important in apiculture?