



BIOLOGY

BOOKS - NCERT BIOLOGY (ENGLISH)

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

Answer: b

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2. Which one is not a source of carbohydrate?

A. Rice

B. Millets

C. Sorghum

D. Gram

Answer: d

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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 above

Answer: d



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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

Answer: d

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5. Find out the correct sentence.

Hybridisation means crossing between genetically

dissimilar plants

Cross between two varieties is called as inter specific hybridisation

Introducing genes of desired character into a plant gives genetically modified crop

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)

Answer: a



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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

Answer: d



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7. Which one of the following species of honey bee is an Italian species?

A. *Apis dorsata*

B. *Apis florea*

C. *Apis cerana indica*

D. *Apis mellifera*

Answer: d

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8. 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)

Answer: b



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9. Cattle husbandry is done for the following purposes

- (i) Milk production
- (ii) Agricultural work
- (iii) Meat production
- (iv) Egg production

A. (i),(ii) and (iii)

B. (ii) ,(iii) and (iv)

C. (iii) and (iv)

D. (i) and (iv)

Answer: a



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10. Which of the following are Indian cattle?

(i) *Bos indicus*

(ii) *Bos domestica*

(iii) *Bos bubalis*

(iv) *Bos vulgaris*

A. (i) and (iii)

B. (i) and (ii)

C. (ii) and (iii)

D. (iii) and (iv)

Answer: a



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11. Which of the following are exotic breeds ?

(i) Brawn

(ii) Jersey

(iii) Brown Swiss

(iv) Jersey Swiss

A. (i) and (iii)

B. (ii) and (iii)

C. (i) and (iv)

D. (ii) and (iv)

Answer: b



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12. Poultry farming is undertaken to raise following

(i) Egg production

(ii) Feather production

(iii) Chicken meat

(iv) Milk Production

A. (i) and (iii)

B. (i) and (ii)

C. (ii) and (iii)

D. (iii) and (iv)

Answer: a



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13. Poultry fowl are susceptible to the following pathogens

A. viruses

B. bacteria

C. fungi

D. all of these

Answer: d



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14. Which one of the following fishes is a surface feeder?

A. Rohus

B. Mrigals

C. Common carps

D. Catlas

Answer: d



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15. Animal husbandry is the scientific management of

(i) animal breeding

(ii) culture of animals

(iii) animal livestock

(iv) rearing of animals

A. (i) , (ii) and (iii)

B. (ii),(iii) and (iv)

C. (i) ,(ii) and (iv)

D. (i) ,(iii) and (iv)

Answer: d

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16. which one of the following nutrients is not available in fertilisers?

A. Nitrogen

B. Phosphorus

C. Iron

D. Potassium

Answer: c



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

- A. strict cleaning
- B. proper disjoining
- C. fumigation
- D. All of these

Answer: d



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Short Answer Questions

1. Match the column I with the column II.



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2. Fill in the blanks

(a) Pigeon pea is a good source of _____

(b) Berseem is an important _____ Crop.

(c) the crops which are grown in rainy season are called _____ crops.

(d) _____ are rich in vitamins.

(e) _____ crop grown in winter season.



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

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4. List out some useful traits in improved crop ?

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5. Why is organic matter important for crop production?

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6. Why is excess use of fertilisers detrimental for environment?



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7. Give one word for the following

(a) Farming without the use of chemicals as fertilisers 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 _____

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8. Match the following column I and II



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9. If there is low rainfall in a village throughout the year. What measures will you suggest to the farmers for better cropping?

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10. Group the following and tabulate them as energy yielding protein yielding oil yielding and fodder crop.

Wheat rice berseem maize gram oat pigeon gram sudan grass lentil soyabean groundnut castor and mustard.

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11. Define the term hybridisation and photoperiod.

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12. Fill in the blanks

(a) Photoperiod affect the _____

(b) Kharif crops are cultivated from

_____ to _____

(C) Rabi crops are cultivated from

_____ to _____

(d) Paddy, maize green gram and black gram are _____

Crops.

(e) Wheat gram pea mustard are _____ crops.

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13. Cultivation practices and crop yield are related to environmental condition . Explain.

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14. Fill in the blanks

- (a) A total of _____ nutrients are essential to plants.
- (b) _____ and _____ are supplied by air to plants.
- (c) _____ is supplied by water to plants.
- (d) Soil supply _____ nutrients to plants.
- (e) _____ nutrients are required in large quantity and called as _____
- (f) _____ nutrients are needed in small quantity for plants and are called _____



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15. Differentiate between compost and vermicompost?



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16. 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 of crop plants parts are used.

(c) Plants are ploughed and mixed into the soil.

(d) After decomposition it becomes green manure.

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17. An Italian bee variety *A mellifera* has been introduced in India for honey production . Write about its merits over other varieties.

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18. In agricultural practices, higher input gives higher yield.

Discuss how ?

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19. Discuss the role of hybridisation in crop improvement.

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20. Define

(i) Vermicompost

(ii) Green manure

(iii) Biofertiliser



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21. Discuss various methods for weed control.

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Others

1. Differentiate between the following

(i) capture fishery and culture fishery

(ii) mixed cropping and intercropping

(iii) bee keeping and poultry farming

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2. Give the merits and demerits of fish culture?

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3. What do you understand by composite fish culture?

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4. Why bee keeping should be done in good pasturage?

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5. Write the modes by which insects affect the crop yield.

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6. Discuss why pesticides are used in very accurate concentration and in very appropriate manner?

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7. Name two types of animal feed and write their functions.

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8. What would if poultry birds are larger in size and have no summer adaptation capacity? In order to get small sized poultry birds, having summer in adaptability, what method will be employed?

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9. Suggest some preventive measures for the diseases of poultry birds.

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10. Figure shows the two crop fields [Plots A and B] have been treated by manures and chemical fertilisers respectively , keeping other environmental factor same .

Observe the graph and answer the following question.

(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

?

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



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11. Complete the crossword puzzle figure



Across

1. Oil yielding plant (9)
3. Crop grown in winter season (4)
5. Fixed by Rhizobium (8)
9. Common honey bee (4)

Downward

2. Animal feed (6)

4. A micronutrient (5)

6. Unwanted plant in crop fields (4)

7. An exotic breed of chicken (7)

8. Bottom feeders in fish pond (7)

10. A marine fish (4)



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