



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION

One Mark Questions

1. Define animal husbandry.



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2. Define micro-propagation.



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3. What is SCP?



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4. Define apiculture?



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5. What is inbreeding depression?



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6. What is an explant?



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7. What is somatic hybridization?



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8. What is callus?



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9. A protoplast of tomato plant is fused with that of potato to form a new hybrid plant. Name the hybridization technique involved here.



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10. What is totipotency?



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11. Define aquaculture.



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12. Mention any two common fresh water fishes.



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Two Mark Question

1. Name two diseases caused by viruses in crop plants.



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2. Find out the various components of the medium used for propagation of an explant in invitro are?





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3. Give one example of the disease caused each by fungi, bacteria and viruses in crop plant.



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4. What is meant by the term 'breed'? What are the objectives of animal breeding?



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5. Explain what is meant by biofortification.



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6. Which part of the plant is best suited for making virus free plants and why?



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7. What is the major advantage of producing plants by micropropagation?



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8. List the various components of the medium used for propagation of an explant in invitro conditions?



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9. What are the advantages of tissue culture?



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10. What is germplasm collection? Mention its importance.



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11. What is apiculture? How is it important in our lives?



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12. Discuss the role of fishery in enhancement of food production.



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13. What happens if there is a continuous inbreeding? Discuss the strategy to overcome the problem associated with continuous inbreeding.



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Three Marks Questions

1. List three categories of cattle on the basis of their utility. Give one example of each.



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2. Explain in brief the role of animal husbandry in human welfare.



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3. Name the methods employed in animal breeding. According to you which of the methods is the best? Why?



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4. Differentiate out-crossing, cross-breeding and interspecific hybridisation.



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5. Brief note on

i) inbreeding

ii) outbreeding

iii) cross breeding.



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6. What are single cell protein? Mention their significance.

b) Name any two organisms that are used as single cell protein.





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7. Define poultry. Mention the measures to be considered for successful poultry farm management.



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Five Mark Questions

1. Expand MOET with reference to animal breeding. Describe the process and use of it.



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2. Give a brief account of tissue culture. Also give the advantages of micro propagation.



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3. Briefly describe the various steps involved in plant breeding.



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4. Name any five hybrid varieties of crop plants which have been developed in India.



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5. Define breed. Describe different methods of animal breeding and mention their significance.



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