



BIOLOGY

CH-9 STRATEGIES FOR ENHANCEMENT FOR FOOD PRODUCTION- (BOARD QUESTIONS)

Name: _____

Date: _____

Class: XII-A

1. Mention the role genetic mother in MOET
2. A herd of cattle is showing reduced fertility and productivity. Provide one reason and one suggestion to overcome this problem.
3. A certain tissue, of a plant , infected with TMV was used to obtain a new plant using tissue culture technique .Identify the technique used and reason out the possibility of obtaining a new healthy plant.
4. What kind of areas is suitable for practicing apiculture? Write the scientific name of the variety commonly reared for the purpose.
5. IN MOET technology two mothers are required for to produce a calf . Justify. Artificial insemination helps overcome several problems of normal mating in cattle. Do you agree? Support your answer with any three reasons.
6. Name the technique and the property of plant cells that can help to grow somaclones of certain desired variety of apple. Explain how soma clones of apple can be obtained in the lab so as to get the desired variety on a large scale.
7. Explain mutation breeding as a method of developing disease resistant crop plants. Give an example of a pulse crop where this technique has developed.
8. What is inbreeding depression ? Explain the importance of ' selection' during inbreeding in cattle.