

BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL, VADODARA
SESSION 2017-18
Question Bank

CHAPTER 9

STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION

VERY SHORT ANSWER QUESTION (1 marks each)

- Q1 Name any two diseases of poultry.
- Q2 Name any two factors on which the yield of milk depends.
- Q3 What is dairying ?
- Q4 Name the most common species of honey bees.
- Q5 Define inbreeding depression.
- Q6 Which chemical is used for doubling the chromosome number?
- Q7 Name two cattle disease.
- Q8 Name any plant growth regulator used in plant tissue culture.
- Q9 Give any example of somatic hybrid produced.
- Q10 Name two disease caused by virus in crop plants.
- Q11 What is somatic embryo?
- Q12 Which parent produce a mule?

SHORT ANSWER TYPE QUESTIONS (2 marks each)

- Q1 What is single cell protein? What is significance of such a protein?
- Q2 What is mutation? List the step how mutation breeding is carried out in agricultural crop.
- Q3 What is inbreeding in crops? What happens to the recessive alleles in this process?
- Q4 Name the two main categories of mutagens. Give one example of each.
- Q5 What is emasculation? Explain its importance in hybridisation.
- Q6 What are induced mutation ? Give one example each of physical and chemical mutagen.
- Q7 What is inbreeding depression? Why do the self pollinated crops not show the ill effects of inbreeding depression?
- Q8 What is interspecific hybridisation? Give one example of a crop in which it is practised and mention one advantage derived from it.
- Q9 What is micropropagation?

SHORT ANSWER QUESTIONS (3 marks each)

- Q1 What is mutation breeding ? List the steps in the mutation breeding to get the derived crop .
- Q2 Defferenciate between inbreeding and heterosis. What is inbreeding depression?
- Q3 What is inbreeding? What is danger of inbreeding?
- Q4 What is inbreeding and interspecific hybridisation in animals ? Give an example of each >
- Q5 Give one example of disease caused each by fungi, bacteria and viruses in crop plant.
- Q6 What is meaning of sterilisation? Why it is necessary in tissue culture?

LONG ANSWER QUESTIONS (5 marks each)

- Q1 Defferenciate between an inbred line & a hybrid variety of crop. Explain the steps involved in the production of the hybrid variety .
- Q2 What is protoplast?
- Q3 What is meant by the following :-
 - (i) Somatic hybrid (ii) Micropropagation (iii) Explant
 - (iv) Somaclones (v) Tissue culture
- Q4 Expand MOET with reference to animal breeding. Describe the process and use of it.
- Q5 Enumerate the point that have to be considered for successful bee-keeping.

CHAPTER-10