

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

SECTION-B

2. Discuss briefly the merits and demerits of mass selection.
3. Write short notes on Intergeneric hybridization.
4. What is male sterility? List the various type of male sterility found in vegetable crops
5. Give the causes of seed deterioration during storage
6. Discuss briefly the procedure of seed certification.

SECTION-C

7. Write down the origin, floral biology and breeding system of following vegetables (**any four**)
 - (a) Chilli
 - (b) Onion
 - (c) Cauliflower
 - (d) Pea
 - (e) Muskmelon.
8. Discuss the problems and remedies associated with vegetable seed production.
9. Discuss briefly self incompatibility. Describe the different types of self incompatibility. In which vegetable crop exploit this system for hybrid seed production, discuss.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.