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Total No. of Pages : 02

Total No. of Questions : 09

**B.Sc.(Agriculture) (2014 & Onwards) (Sem.-7)**  
**VEGETABLE BREEDING AND SEED PRODUCTION**

Subject Code : BSAG-HC705

M.Code : 74838

Time : 3 Hrs.

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****1. Write short notes on :**

- (a) Pureline selection in vegetables
- (b) Hybrid vigour
- (c) Mass Selection
- (d) Male sterility
- (e) Gynoecious plants
- (f) Entomophily
- (g) Foundation seed
- (h) Floral biology
- (i) Seed Act
- (j) Often cross pollinated crops

**SECTION-B**

2. What do you understand by the term Self-incompatibility? What are its advantages?
3. Discuss the problems of seed production industry in India.
4. What do you mean by wild relatives? Give examples of some wild relatives of vegetables utilized in vegetable breeding programmes.
5. How will you help a seed producer for registration of certified seed production with State Seed Certification Agency?
6. Describe the steps followed for processing and grading of raw seed of vegetable crops.

**SECTION-C**

7. You have been appointed as Vegetable Breeder, Which breeding methods will you follow to develop an ideal variety of Pea? Discuss in detail.
8. Describe the stepwise procedure for Breeder seed production of okra variety *Punjab Suhawini*?
9. What are cross-pollinating crops? Which breeding methods will you adopt for improvement of cross-pollinating vegetable crops?

**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.**