

Total No. of Questions :4]

SEAT No. :

[Total No. of Pages :2

**P702**

**[5315]-240**

**S. Y. B. Sc.**

**SEED TECHNOLOGY (Vocational)  
Vegetable Seed Production  
(2013 Pattern) (Semester - II) (paper - I)**

*Time : 2 Hours]*

*[Max. Marks :40*

*Instructions to the candidates :*

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Draw neat labelled diagrams wherever necessary.*

**Q1)** Attempt the following:

**[10]**

- a) What is sexual reproduction?
- b) Define self incompatibility.
- c) Give the types of hybridization.
- d) Write any two applications of population improvement.
- e) Give the diagrammatic representation for classifying the vegetable crops based on growing season in vegetable crops.
- f) What is isolation distance for foundation seed production in OKra?
- g) Which type of nursery bed is required for growing onion seedlings?
- h) Define seed drying.
- i) What is CMS?
- j) Write any two objectives of vegetable seed production.

**Q2)** Attempt any two of the following:

**[10]**

- a) Explain any two vegetative methods of reproduction in vegetable crops.
- b) Discuss genetic male sterility in detail.
- c) Write the objectives of hybridization techniques in vegetable crops.

**P.T.O.**

**Q3)** Write notes on any two.

**[10]**

- a) Bulk method.
- b) Progeny selection.
- c) Classification of vegetable crops based on plant parts used for consumption.

**Q4)** Answer any one of the following.

**[10]**

- a) Give an account of seed production in okra with reference to kind requirement, isolation, nursery management, cultural practices, roughing, plant protection, harvesting, seed extraction, drying and storage.

OR

- b) Give an account of seed production in bitter gourd with reference to land requirement, isolation, nursery management cultural practices, roughing, plant protection, harvesting, seed extraction, drying and storage.

