

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END THEORY EXAMINATION

**B.Sc.(Hons.) Horticulture**

[Fifth Deans' Committee Recommended Syllabus]

Semester : VI	Term : Second	Academic Year : 2024-25
Course No. : H/V/S 367	Title : Seed Production of Vegetables, Tuber and Spice Crops	
Credits : 3(2+1)	Time : 14:00 to 17:00 hrs.	Total Marks : 80
Day & Date : Friday, 11.04.2025		

- Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
  2. All questions from SECTION 'B' are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagram wherever necessary.

**SECTION 'A'**

- Q.1 Describe in brief about principles of vegetable seed production.
- Q.2 Describe the scope and importance of vegetable seed production in India.
- Q.3 Write in detail the seed production of cauliflower on the following aspects:
- a) Land requirement
  - b) Varieties
  - c) Methods of seed production
  - d) Harvesting and Seed Yield
- Q.4 Write in detail the seed production of brinjal on the following points:
- a) Planting season
  - b) Transplanting
  - c) Field inspection
  - d) Field standards
- Q.5 Write about the seed production of onion with respect to the following points:
- a) Land requirement
  - b) Methods of seed production
  - c) Isolation distance
  - d) Field inspection
- Q.6 Write short notes on (Any Two):
- a) Differences between Seed and Grain
  - b) Agencies of pollination
  - c) Seed Certification Legislation
- Q.7 Explain different steps in seed production of cucumber.
- Q.8 Discuss in brief about climatic factors affecting vegetable seed production.
- Q.9 Write about the field standards and rouging operation in coriander and potato.
- Q.10 Define Seed testing and explain the different components of seed testing.

(P.T.O.)

**SECTION 'B'**

Q.11 Fill in the blanks:

- 1) The National Seed Corporation was established in the year, \_\_\_\_\_.
- 2) The full form of ISTA is \_\_\_\_\_.
- 3) The botanical name of French bean is \_\_\_\_\_.
- 4) Dolichos bean belongs to the family \_\_\_\_\_.
- 5) 'Pusa Kesar' is an improved variety of \_\_\_\_\_ crop.
- 6) 'Japanese White' is an improved variety of \_\_\_\_\_ crop.
- 7) 'Arkel' is a variety of \_\_\_\_\_ crop.
- 8) \_\_\_\_\_ class of seed is the progeny of Breeder seed.

Q.12 State True or False:

- 1) The minimum isolation distance of Foundation seed is always greater than Certified seed.
- 2) 'Pusa Early Bunching' is an improved variety of fenugreek.
- 3) Indian Seed Act was passed in the year, 1966.
- 4) Genetic purity refers to the trueness to type of seeds.
- 5) Genetic constitution of an organism, is known as genotype.
- 6) Foundation seed is labeled with white colour tag.
- 7) Amaranthus is a self-pollinated crop.
- 8) A genotype released for commercial cultivation, is called as variety.

