

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Agriculture**

Semester	: IV (New)	Term	: Second	Academic Year	: 2023-24
Course No.	: GPB 243	Title	: Principles of Seed Technology		
Credits	: 3 (1+2)				
Day & Date	: Tuesday, 30.04.2024	Time	: 9:00 to 11:00 hrs.	Total Marks	: 40

- 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 Define Seed. Discuss different classes of seed.
- Q.2 Describe important causes of genetic deterioration of a variety.
- Q.3 Write about hybrid seed production of Cotton on the following points:
- a) Land requirement
  - b) Isolation requirement
  - c) Planting ratio and Sowing
  - d) Picking of hybrid seed
- Q.4 Explain in brief the characteristics of quality seed.
- Q.5 Define Seed Treatment. Enlist benefits of seed treatment.
- Q.6 Describe the factors affecting longevity of seed in storage.
- Q.7 Write about seed production of Tomato on the following points:
- a) Seed source and Seed rate
  - b) Sowing of seeds in nursery
  - c) Transplanting and Spacing
  - d) Harvesting and Extraction of seed
- Q.8 Define Seed Certification. Give the steps involved in seed certification.
- Q.9 State the important powers of Seed Inspector.
- Q.10 Discuss factors affecting seed marketing.

**SECTION 'B'**

- Q.11 Answer in one sentence:
- 1) What are Volunteer plants?
  - 2) Enlist different types of isolation.
  - 3) What is the validity period of initial seed test report?
  - 4) What do you mean by Seed processing?
- Q.12 Spell-out the following abbreviations:
- 1) GOT
  - 2) AOSCA
  - 3) ISTA
  - 4) MSSCL

