

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: IV (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: GPB 243	Title	: Principles of Seed Technology		
Credits	: 3 (1+2)				
Day & Date	: Tuesday, 11.07.2023	Time	: 09:00 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 technology and write down role of seed technology.
- Q.2 Describe hybrid seed production of Maize in regard to the following points:  
a) Isolation distance    b) Planting ratio    c) Detasseling    d) Field inspection
- Q.3 What do you mean by seed certification? Write down the phases of seed certification.
- Q.4 Describe in detail about the different classes of seed.
- Q.5 What is Seed Act? Write down its applicability, sanctioning regulations and regulatory legislation.
- Q.6 Define seed quality. Give the characters of good quality seed.
- Q.7 Write the importance of seed storage and describe in brief factors affecting seed longevity during storage.
- Q.8 Explain in detail factors affecting deterioration of a crop variety.
- Q.9 Furnish the information on the following points with regards to hybrid seed production of Cotton:  
a) Planting ratio    b) Rouging    c) Emasculation    d) Pollination
- Q.10 Write short notes on (Any Two):  
a) Field inspection  
b) Seed marketing  
c) Seed testing

SECTION 'B'

- Q.11 Define the following terms:  
1) Synchronization    2) Rouging    3) Dockage    4) Pollen shedder
- Q.12 Expand the following abbreviations:  
1) ISTA    2) MSSC    3) NSC    4) MSCS

