

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) A.B.M.

Semester	: IV (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: BOT 243	Title	: Principles and Practices of Seed Science and Technology		
Credits	: 2 (1+1)				
Day & Date	: Saturday, 08.07.2023	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 Technology. Write down the importance of seed technology.
- Q.2 Define Seed Programme. Explain types of seed programme.
- Q.3 Explain in detail different classes of seed.
- Q.4 Explain in detail causes of varietal deterioration.
- Q.5 Define Seed Quality. Write down characters of good quality seed.
- Q.6 Define Seed Marketing. Explain the factors affecting the seed marketing.
- Q.7 Explain the classification of packaging material and enlist the factors to be considered while selecting packaging material.
- Q.8 Explain steps involved in certified seed production of wheat.
- Q.9 Explain seed marketing organization structure in detail.
- Q.10 Write in detail regarding seed and sowing, isolation distance, roughing and field inspection for certified seed of following crops (Any Two):
- a) Fodder Sorghum b) Pigeon pea c) Soybean

SECTION 'B'

- Q.11 Define the following terms:
- 1) Seed demand forecasting
 - 2) Deterioration of variety
 - 3) Seed germination
 - 4) Isolation distance
- Q.12 State True or False:
- 1) Isolation distance requirement for certified seed production of paddy is 100 m.
 - 2) The tag of breeder seed is green in colour.
 - 3) Seed vigour refers to the sum total of all seed attributes that gives effective plant stand in the field.
 - 4) Seed branding is the process of creating of strong, positive, perception of your seed company and its seed in your customer's mind.

