

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agri. Business Management

Semester	: IV(New)	Term	: Second	Academic Year	: 2023-24
Course No.	: BOT 243	Title	: Principles and Practices of Seed Science and Technology		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 23.04.2024	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 Enlist and explain different types of seed programme.
- Q.2 Write down the different classes of seeds.
- Q.3 Write down the difference between Varietal and Hybrid seed production.
- Q.4 Write down the characteristics of good quality seed.
- Q.5 Give the difference between Seed and Grain.
- Q.6 Write down the Certified seed production in soybean on the following points.
- a) Land requirement
 - b) Isolation requirement
 - c) Cultural practices
 - d) Harvesting and Threshing
 - e) Seed yield
- Q.7 Explain the structure of seed marketing organization.
- Q.8 Give the scope and importance of Seed Technology in Agriculture.
- Q.9 Write down the Certified seed production in sorghum on the following points.
- a) Land requirement
 - b) Isolation requirement
 - c) Roughing
 - d) Harvesting and Threshing
 - e) Seed yield
- Q.10 Write the factors affecting varietal deterioration.

SECTION 'B'

- Q.11 Define the following terms:
- 1) Seed Technology
 - 2) Isolation distance
 - 3) Seed processing
 - 4) Seed testing
- Q.12 Fill in the blanks:
- 1) A _____ colour tag is issued for Breeder Seed category.
 - 2) _____ is the progeny of Foundation seed produced by Registered seed growers under supervision of seed certification agencies.
 - 3) The systematic removal of off-type plants of another crop or variety and diseased plants from the seed production field, is known as _____.
 - 4) Isolation distance for seed production in paddy is _____ m.

