MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

[Fifth Deans' Committee Recommended Syllabus]

Semester	: IV	Term	: Second	Academic Year	: 2024-25
Course No.	: GPB 243	Title	: Principles of Seed Technology		
Credits	: 3(1+2)				
Day & Date	: Monday, 21.04.2025	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 Describe the important characteristics of quality seed.

Q.2 Define Seed. Describe different classes of seed.

Q.3 Describe various phases of seed certification.

Q.4 Describe in brief the causes and solutions to overcome varietal deterioration.

Q.5 Describe hybrid seed production technology of sunflower on the following points:

a) Isolation distance b) Planting ratio

c) Field inspection d) Supplementary pollination

Q.6 Define Seed treatment. Enlist the types and benefits of seed treatment.

Q.7 Define Seed marketing. Write in short about factors affecting seed marketing.

Q.8 Differentiate between (Any Two):

a) Seed and Grain

b) Certified seed and Truthful seed

c) Field standard and Seed standard

Q.9 What is Seed Act? Discuss the important features of Seed Act-1966.

Q.10 Write short notes on (Any Two):

a) Grow Out Test b) Seed drying

c) Seed storage

SECTION 'B'

Q.11 Define the following terms:

1) Isolation 2) Seed vigour

3) Rouging 4) Detasseling

Q.12 Spell-out the following abbreviations:

1) NSC 2) MSCS

3) SSCA 4) STL

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