

Re-accredited by NAAC with "B" Grade
III. B.Sc., – V SEMESTER END EXAMINATIONS – NOVEMBER-2025
BOTANY (MAJOR) : SEED TECHNOLOGY

Time : 3 hours

Max. Marks : 75

SECTION – A

Answer ALL questions. Each answer carries 2 marks

5 × 2 = 10 M

1. Define grain
2. Define orthodox seed and give two examples
3. Define seed Vigor
4. What is dusting
5. Importance of sealing in seed certification.

SECTION – B

Answer Any THREE of the following. Each Question carries 5 Marks

3 × 5 = 15 M

6. Role and Goals of Seed technology
7. Write a short note on seed storage.
8. Write a short note on the importance of seed health.
9. Write a short note on the transmission of seed borne diseases.
10. Write a short note on genetic purity certification

SECTION – C

Answer ALL questions. Each question carries TEN marks.

10 × 5 = 50 M

11. A) Define seed dormancy? Explain causes and methods to break dormancy
(OR)
11. B) Write an essay on the important characteristics of quality seed material
12. A) Give a detailed note on seed banks?
(OR)
12. B) Explain natural longevity of seeds, Factors affecting longevity in storage
13. A) Write an essay on Physical purity analysis of Seed testing?
(OR)
13. B) What is Genetic Erosion? Describe the various aspects of Genetic Erosion.
14. A) Describe Different Seed Borne Diseases and their transmission
(OR)
14. B) Explain seed health testing methods for detecting micro-organisms
15. A) Write essay on Duties and responsibilities of seed Inspector
(OR)
15. B) Explain the Phases of certification standards