

5 MJ 60314 B

FOUR YEAR B.Sc. (Honours) DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2025

FIFTH SEMESTER

Botany

Paper 14 B : SEED TECHNOLOGY

(w.e.f 2023-2024 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE questions

1. Structure of Dicot seed
2. Methods to break seed dormancy
3. Natural longevity of seeds
4. Bagging and labeling of seeds
5. Seed vigour
6. Seed health testing
7. Transmission of different seed borne diseases
8. Dusting
9. Tags and sealing
10. New seed policy (1988).

PART B — (5 × 10 = 50 marks)

Answer ALL the following the questions.

11. Define seed? Write about the importance of seed.

Or

12. Give a note on role and goals of seed technology.

13. Explain about the principles of seed processing.

Or

14. Describe that the factors affecting longevity in storage.

15. Describe the differences for seed germination tests using paper, sand, and soil methods.

Or

16. Explain the importance of seed moisture and methods of moisture determination.

17. Write about different seed health testing methods for detecting microorganisms.

Or

18. Describe a brief account of different seed borne diseases and their transmission.

19. Discuss the duties and responsibilities of Seed Inspector.

Or

20. Write in detail about genetic purity verification, certification, records and reporting.
