

Roll No.							
----------	--	--	--	--	--	--	--

25-SE-24

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
MAY - JUNE 2025**

SEED TECHNOLOGY

Paper - IV

[Seed Quality Testing]

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

Note : Candidate should write his/her Roll Number at the prescribed space on the question paper.
Student should not write anything on question paper.
Attempt all five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Given an account of procedure of Seed Testing. (15 Marks)

OR

Describe the objectives, seed lot and types of seed sample. (15 Marks)

Q. 2 Explain the calculation and reporting of result prescribed seed purity standards. (15 Marks)

OR

Describe the objectives, components of purity and principle of purity separation. (15 Marks)

Q. 3 What is Seed Dormancy ? Explain importance, and causal mechanism of seed dormancy. (15 Marks)

OR

Write note on -

i) Methods of Seed Germination. (7½ Marks)

ii) Types of Moisture Estimation. (7½ Marks)

Q. 4 Explain the importance, method and advantages of viability test. (15 Marks)

OR

Write notes on - (5 Marks Each)

i) Principles of Vigar testing.

ii) Preparation of seeds and solution.

iii) Evaluation and calculation of test result.

P.T.O.

Q. 5 What is Genetic Purity ? Explain objectives and criteria for genetic purity testing. **(15 Marks)**

OR

Write note on -

(5 Marks Each)

- i) 2, 4-D Blotter method.
- ii) Embryo count method.
- iii) Seed Borne Fungi.

