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24-SE-23

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

SEED TECHNOLOGY

Paper - III

[Seed Processing and Storage]

[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 five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Write short note on **any two** of the following - (15 Marks)

- i) Seed Processing.
- ii) Seed dormancy and seed viability loss.
- iii) Relative humidity and equilibrium.
- iv) Seed Conditioning.

Q. 2 What is Seed Separation ? Define various type of seed separator. (15 Marks)

OR

Write brief note on -

- i) Grading.
- ii) Seed cleaning equipments.

Q. 3 Explain an ideal basic seed flow pattern in seed processing. Give a layout of a seed processing plant. (15 Marks)

OR

Short note on following -

- i) Any two supporting equipments in processing plant.
- ii) Elevating and conveying equipments.

Q. 4 Explain various methods of seed treatment. Briefly discuss its advantages. (15 Marks)

P.T.O.

OR

Write short note on -

- i) Seed disinfestations.
- ii) Seed packaging principles and tagging.

Q. 5 Write an illustrated account on seed storage.

(15 Marks)

OR

Write brief note on -

- i) Storage problems of recalcitrant seeds.
- ii) Concept and significance of moisture equilibrium.

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