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**25-SE-43**

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

### **SEED TECHNOLOGY**

Paper - III

#### **[Nursery Management and Plant Propagation]**

*[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** Explain Seed bed preparation and what are their characteristics.

**OR**

Explain importance, scope and horticulture tools of Nursery.

**Q. 2** What are the different types of vegetative propagation explain in details.

**OR**

Explain the method of layering with diagram.

**Q. 3** Explain in details (**any two**) -

- i) Callus Culture.
- ii) Anther Culture.
- iii) Meristem Culture.
- iv) Embryo Culture.

**OR**

What is Sterilization techniques and application of plant tissue culture ?

**Q. 4** What are Transgenic Plant also describe it's techniques and application.

**OR**

Explain terminator seed along with terminator technology.

**Q. 5** Describe synthetic seed and its application in details.

**OR**

Explain seed priming with types of priming technology.