

B.Sc. 1st Semester (Honour's) Examination, 2021
FORESTRY

Course ID: 13507

Course Code: **SH/FST/ BS 1103**

Course Title: Seed Technology & Nursery Management

Time: 2 Hours

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable

I. Write a definition or one sentence answer any 10 of the following 1x10=10

1. Commercial forestry
2. Seed extraction method for fleshy fruits with soft pulp
3. Seed extraction method for serotinous fruits
4. Seed treatment
5. Orthodox seeds
6. Flower
7. Tree
8. Seed storage
9. Artificial regeneration
10. Seed
11. Flower
12. Mulching
13. Seedling Hardening
14. Sunken bed
15. Raised bed

II. Write short note/ define any 10 of the following 2x10 =20

1. Rotation
2. Adventitious roots
3. Plus tree
4. Candidate tree
5. Flootation
6. Seed source
7. Collection after dispersal
8. Ascending via advanced lines
9. Pure forest
10. Differences between certified seed and breeder seed
11. Tetrazolium staining test
12. Importance of seed in forestry
13. Seed quality assessment
14. Types of seed dispersal
15. Write steps of Seed collection

III. Write down in brief any four (4) of the following. 5x4=20

1. What is the importance of seed in present day forestry?
2. Draw a Layout of nursery with well label all the component
3. Write in detail about seed collection methods
4. Difference between orthodox and recalcitrant seeds
5. What are the various factors that affect drying of orthodox seeds?
6. Elaborate seed development with diagram.