



**End Semester/Reappear (Semester I) Examination December 2022**

**Programme: B. Sc. (Hons.) Agriculture**

**Course: Introduction to Forestry**

**Course Code: 13A.108**

**Enrollment No: \_\_\_\_\_**

**Full Marks: 50**

**Time: 2 Hrs.**

**Section I**

**1. Short Answer type questions. Answer any four. 4 x 5 = 20**

- a. Define silviculture and silvics and explain why sustainability of forestry is important.
- b. Illustrate the single pole method with a proper diagram.
- c. Explain brief the factors affecting the choice between natural and artificial regeneration.
- d. Explain agroforestry and its importance in sustainable agriculture.
- e. Describe the classification of agroforestry according to Nair (1987).
- f. Explain different tending operations used in forestry.

**Section II**

**Long answer type questions. Answer any two. 2 x 15 = 30**

2. Discuss the cultivation practices of any one short rotation tree species of your region with suitable examples.
3. Review the essential preliminary consideration of forest regeneration.
4. Explain the methods for measuring the volume of felled and standing trees.
5. Design windbreak and shelterbelt with well labelled diagrams with special reference JRU campus.

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