



PG (CBCS)
M.Sc. Semester-IV Examination, 2026
BOTANY
PAPER: BOT 401
(SILVICULTURE, FOREST MENSURATION, SILVICULTURE
SYSTEM & FOREST MANAGEMENT)

Full Marks: 20

Time: 1 Hour

The figures in the right-hand margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

A. Answer any **TWO** of the following questions: **2×2=4**

1. Mention any two biotic factors that influences forest formation.
2. Mention advantages and disadvantages of quarter girth formula.
3. How aspect differs from exposure?
4. Mention the principle of forest mensuration.

B. Answer any **TWO** of the following questions: **4×2=8**

5. Write short note on Indian Irregular shelterwood system
6. What are different formulas used to measure volume of fallen log?
7. What is volume table? Mention different uses of it.
8. Write note on Agro-forestry.

C. Answer any **ONE** of the following questions: **8×1=8**

9. What is PAN formation? Write down role of different edaphic factors on forest formation. What is montane temperate? **2+4+2**

10. Write notes on **4+4**

- a. Periodic block
- b. Coppice with standard system

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