

24U127

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Name :

Reg. No :

FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024

(FYUGP)

CC24U BOT1 MN100 - AESTHETIC BOTANY

(B.Sc. Botany - Minor Course)

(2024 Admission - Regular)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer *all* questions. Each question carries 3 marks.

1. Demonstrate the difference between formal garden and informal garden. [Level:3] [CO1]
2. Provide tools required for trimming and styling a bonsai tree. [Level:3] [CO1]
3. Apply the "Dutch style" aquascaping technique to create a vibrant planted tank. [Level:3] [CO1]
4. Demonstrate any three methods to identify high-quality seeds suitable for a vegetable garden. [Level:3] [CO2]
5. Demonstrate appropriate potting mixtures for plants that require well-drained soil. [Level:3] [CO2]
6. Provide any three advantages and disadvantages of organic manure. [Level:3] [CO2]
7. Provide the difference between macrophotography and microphotography. [Level:3] [CO3]
8. Provide any three significance of botanical documentation. [Level:3] [CO3]
9. Demonstrate any three types of Ikebana. [Level:3] [CO4]
10. Provide the different methods for drying plants for resin embedding. [Level:3] [CO4]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Determine the various stem types and stem form which determine the aesthetic characters of plants. [Level:3] [CO1]
12. Use of various plant care techniques to protect indoor plants. [Level:3] [CO1]
13. Demonstrate the different principles of Hydroponics. [Level:3] [CO2]
14. Demonstrate the different principles for controlling pest and diseases. [Level:3] [CO2]

15. Demonstrate the industrial importance of ornamental plants. [Level:3] [CO2]
16. Demonstrate budding techniques for successful plant propagation. [Level:3] [CO2]
17. Demonstrate colour mixing and explain the different types of colour mixing. [Level:3] [CO3]
18. Provide the various applications of botanical printing. [Level:3] [CO4]

(Ceiling: 36 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

19. Demonstrate a propagation plan using greenhouses, mist chambers, and net frames to grow a nursery. [Level:3] [CO1]
20. Demonstrate the importance of flower shows and exhibitions. [Level:3] [CO2]

(1 × 10 = 10 Marks)
