

D5BBT2203

Reg. No.....

Name:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Regular/Improvement/Supplementary)

BOTANY
GBOT5B08T: TISSUE CULTURE, HORTICULTURE, ECONOMIC BOTANY &
ETHNOBOTANY

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 marks)

1. Comment on compost activators.
2. Define bioreactor.
3. Comment on enzymatic method of protoplast isolation.
4. What are the goals of landscaping?
5. What is herbaceous cutting?
6. Define Ethnobotany.
7. Write the binomial, family and uses of Sun flower.
8. Enlist the different types of green houses.
9. What is meant by cutting in vegetative propagation?
10. List out the different branches of horticulture.
11. What is meant by filter sterilization?
12. What is a clone?

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 marks)

13. Write a note on site selection for gardening.
14. Briefly discuss about the importance of Traditional Botanical Knowledge.
15. Describe the components of a potting mixture for stem cuttings and seed germination.
16. Discuss the merits and demerits of seed propagation.
17. Write the ethnobotanical significance of *Ocimum sanctum*.
18. Enumerate the applications of embryo culture.
19. What are the basic components in tissue culture medium?

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Explain the different stages of micro propagation.
21. Discuss about different categories of economically important plants highlighting their Binomial, Family, Morphology of useful part and uses.

(1 x 10 = 10 Marks)