

QP Code : U24A024

Reg. No :

Name :

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

**I SEMESTER B A/B Sc /B Com/BBA/BCA/BSW (FYUGP) DEGREE EXAMINATION,
November 2024**

BOT1FM105(2) : PLANT PROPAGATION

2024 Admission Onwards

(Credits: 3)

Time : 1.5 Hours

Maximum Marks : 50

Section A

[Answer All. Each question carries 2 Marks] (Ceiling: 16 Marks)

1. Define plant propagation. [BTL1]
2. Explain the various propagation facilities in a nursery. [BTL1]
3. Analyze the importance of using sterilized tools like pruning shears in a nursery. [BTL4]
4. Identify the role of FYM in organic farming. [BTL3]
5. Compare scarification and stratification. [BTL3]
6. If a seedling shows signs of wilting after transplanting, what steps would you take to revive it? [BTL3]
7. What is mulching, and how does it benefit a vegetable garden? [BTL1]
8. What is the purpose of employing spawn in the production of mushrooms? [BTL1]
9. List out the steps for Terrarium Preparation. [BTL4]
10. Explain why orchids need well-draining substrates instead of regular soil. [BTL2]

Section B

[Answer All. Each question carries 6 Marks] (Ceiling: 24 Marks)

11. Analyze the benefits and challenges of using sprinkler irrigation on sloped lands. [BTL4]
12. Explain soil biota. [BTL2]
13. List out the advantages and disadvantages of synthetic fertilizers. [BTL4]
14. Assess the advantages and disadvantages of using mechanical methods over chemical methods for pest control in organic farming. [BTL5]
15. How would you propagate a plant using simple layering? [BTL3]

Turn Over

Section C

[Answer any one. Each question carries 10 Marks] (1x10=10 Marks)

16. Compare and contrast asexual and sexual methods of plant propagation by applying [BTL3] their advantages and disadvantages in different agricultural and horticultural contexts.
17. What is micropropagation? Explain the different stages in detail. [BTL2]

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