

QP Code:U24A039

Reg. No :

Name :

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

I SEMESTER B.Sc (FYUGP) DEGREE EXAMINATION, November 2024

B Sc Botany

BOT1CJ101 : AESTHETIC BOTANY

2024 Admission Onwards

(Credits: 4)

Time : 2 Hours

Maximum Marks : 70

Section A

[Answer all. Each question carries 3 Marks] (Ceiling: 24 Marks)

1. What distinguishes an English garden from a Mughal garden in terms of design and features? [BTL1]
2. Define hydroponics. [BTL1]
3. Define metadata? [BTL1]
4. What is "Ikebana"? [BTL1]
5. What is Bonsai ? [BTL1]
6. Assess the impact of seasonal color shifts on the aesthetic value of a plant. [BTL2]
7. How would you propagate a plant using simple layering? [BTL2]
8. Mention the significance of botanical photography [BTL2]
9. Why are mordants necessary in eco-printing? [BTL3]
10. Assess the challenges of maintaining a closed terrarium versus an open terrarium. [BTL1]

Section B

[Answer all. Each question carries 6 Marks] (Ceiling: 36 Marks)

11. Compare the efficiency of various propagating structures - Greenhouse, polyhouse, mist chamber, and net frame. [BTL3]
12. Explain soil biota. [BTL2]
13. What are the differences between watercolor and gouache painting techniques? [BTL4]
14. Briefly explain the applications of resin art. [BTL3]
15. Explain Integrated Pest Management. [BTL3]
16. Comment on the selection and maintenance of indoor plants for indoor gardening. [BTL5]

Turn Over

17. What are the key differences between using a sprayer and a watering can for nursery management? [BTL4]
18. Assess the advantages and disadvantages of raising seed beds compared to direct seeding in the field. [BTL5]

Section C

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

19. What is microphotography, and what are the essential tools required for it? [BTL2]
Explore its applications in the field of Life science.
20. What is a garden and comment on various elements of a garden which will add to the aesthetic sense? [BTL4]

< ***** >