

**UNDERGRADUATE END SEMESTER EXAMINATION : OCTOBER 2022****SEMESTER 5: BOTANY (OPEN COURSE)****COURSE: 19U5OCBOT1 : AGRIBASED MICROENTERPRISES***(For Regular - 2020 Admission and Supplementary - 2019 Admission)*

Time: Three Hours

Max. Marks: 75

**PART A****Answer all (1 mark each)**

1. What is a NPK?
2. What are the main ingredients of Tobacco Decoction?
3. What is Gootee?
4. Japanese Ikebana?
5. Give the Scientific Name of any two examples of Edible Mushroom.
6. Agar Agar is obtained from which algae?
7. Name any two schemes of India government for Self-employment.

**(1 x 7 = 7)****PART B****Answer any 10 (2 marks each)**

8. Write note on Common Organic Manures used in Agriculture.
9. Mention different types of Bio-pesticides mentioned in your syllabus and its preparation.
10. Write a short note on Plant growth structures.
11. Describe the principles of Bonsai preparation and its methods.
12. Write a note on Freeze drying of flowers.
13. Mention the scope and problems of Floriculture in Kerala.
14. Write a note on Spawn preparation.
15. What are the different difficulties faced in Mushroom Cultivation?
16. Explain the principles of Micro-propagation?
17. Explain briefly about the property of Agar as a Solidifying Agent.
18. Differentiate Differentiation and Dedifferentiation?
19. List out Special Schemes for Women Empowerment implemented by Government.

**(2 x 10 = 20)****PART C****Answer any 4 (6 marks each)**

20. Explain Aerobic and Anaerobic composting and its advantages.
21. Explain different Lawn Preparation Methods.
22. Write a note on common Leaves used in Flower Arrangement.
23. Make a note on Milky Mushroom cultivation using saw dust polybag method.
24. Explain different types of Sterilization techniques used in tissue culture.
25. What is the procedure to get financial support for Self Employment Opportunities?

**(6 x 4 = 24)**

**PART D**

**Answer any 2 (12 marks each)**

26. What are Bio-fertilizers? Briefly explain different Bio-fertilizers used in agriculture and its application.
27. What are the basic concepts in Garden Designing?
28. What are the basic infrastructure facilities of a Tissue Culture Lab?

(12 x 2 = 24)

\*\*\*\*\*