

UNDERGRADUATE END SEMESTER EXAMINATION - OCTOBER 2024**SEMESTER 5 : BOTANY (OPEN COURSE)****COURSE : 19U5OCBOT1 : AGRIBASED MICROENTERPRISES***(For Regular 2022 Admission and Supplementary 2021/2020/2019 Admissions)*

Time : Three Hours

Max. Marks: 75

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

1. Write any two major advantages of organic farming.
2. What are the macronutrients used in a culture medium?
3. What is a rockery?
4. Write the commonly used substrate for mushroom cultivation.
5. Name any two cut flowers used in flower arrangement.
6. Name any two schemes of government of India for self employment.
7. What is the use of mulching?

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

8. List out the common leaves used in flower arrangement.
9. Comment on Japanese flower arrangement.
10. List out the problems while storing poultry waste.
11. Name any two grasses used for lawn making.
12. Write a note on spawn preparation.
13. Write note on the most commonly used 'N', 'P' and 'K' inorganic fertilizers.
14. What are the principle objectives of sustainable agriculture?
15. List out any four cultivable mushrooms.
16. What is irradiation?
17. Mention any two garden tools used in horticulture.
18. What is meant by inoculation of the explant?
19. Why mushroom are known as "nutraceutical" food items?

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

20. List out the basic infrastructural requirements of a mushroom cultivation unit.
21. Describe the method of preparation of anaerobic compost. Add a note on the advantages of compost in organic farming.
22. Briefly explain dry flower arrangement.
23. Give an account of packaging of flowers and vegetables.
24. Briefly explain different types of sterilization methods practiced in plant tissue culture.
25. Explain the composition of MS-medium used for plant tissue culture.

(6 x 4 = 24)

PART D

Answer any 2 (12 marks each)

26. Describe the components of ornamental garden designing.
27. Sustainable food production and organic farming is necessary to meet hunger and health of world population. Discuss.
28. Write an essay on the various plant growing structures you have studied.

(12 x 2 = 24)