



QP CODE: 22100096



22100096

Reg No : .....

Name : .....

**UNDER GRADUATE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,  
JANUARY 2022**

**Fifth Semester**

(Offered by the Board of Studies in Botany)

**OPEN COURSE - BO5OPT01 - AGRI-BASED MICROENTERPRISES**

2017 Admission Onwards

49A01720

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Which organic manure, you will prefer when your crop is deficient of 'N' & 'P'?
2. What is Bt Cotton?
3. What are the major ingredients required for preparing Poting Mixtures?
4. List the methods of vegetative propagation.
5. What is approach grafting?
6. What is air layering?
7. What is Putrefaction?
8. What is food preservation?
9. Name the fungal group to which mushroom belongs to.
10. Name any two substrates used for mushroom cultivation.
11. What is de-differentiation?
12. What are Pro embryogenic determined cells?

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Differentiate between aerobic composting and anerobic composting.





14. Write notes on different microbial inoculants used as biofertilizers.
15. What are the different types of soil? Write notes on different soil components.
16. What are the advantages of seed propagation?
17. Give an account on indoor gardens.
18. What is fermentation? Write a note on its different types.
19. How can we identify poisonous mushrooms?
20. Explain the importance of autoclave and laminar air flow chamber in a tissue culture lab.
21. Differentiate between a solid media and liquid media. Explain the role of plant hormones in organogenesis.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. What is vermicompost? Mention a scientific method for the preparation of Vermicompost. Comment on the advantages of using Vermicompost.
23. What is gardening? Describe the different types of garden.
24. What is spawn? Explain the process of spawn isolation.
25. Explain the significance of meristem culture. How sterilisation could be achieved in a tissue culture laboratory.

(2×15=30)

