QP CODE: 20100096

Reg No : ....

Name : ....

UNDERGRADUATE (CBCS) EXAMINATION, FEBRUARY 2020

Fifth Semester

(Offered by the Board of Studies in Botany)

Open Course - BO5OPT01 - AGRI-BASED MICROENTERPRISES

2017 Admission Onwards

1A40D9BA

Time: 3 Hours   Maximum Marks :80

Part A

*Answer any **ten** questions.*

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

1.   What are the contents of 'NPK'?

2.   What are the requirements for the preparation of Vermicompost?

3.   List any two disadvantages of seed propagation.

4.   Write any two disadvantages of vegetative propagation.

5.   What is meant by layering?

6.   Name the uses of lawn in a garden.

7.   Define asepsis.

8.   What is butter?

9.   Define spawn.

10. Name any two value added products from mushrooms.

11. Define Caulogenesis?

12. Name any two commonly used tissue culture media.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. State a method for the preparation of Aerobic compost.

14. What are biopesticides? Mention one method for the preparation of Neem decaution.

15. What are the different constituents used in a potting mixture? Write notes on its preparation.

16. Explain the different types of natural methods of vegetative propagation.

17. Write brief note on cutting methods in plant propagation.

18. Write a short note on artificial food preservatives.

19. Write a short note on button mushroom.

20. Explain the different in vitro plant regeneration pathways from a totipotent cell.

21. Explain meristem culture and axillary bud culture.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What are biofertilizers? Comment on the different biofertilizers that are widely used. Mention the advantages of using biofertilizers.

23. Write an essay on the different garden tools and impliments with suitable diagrams.

24. Describe the cultivation of Milky mushrooms using saw dust polybag method.

25. Give a detailed account of the basic infrastructure facilities of a tissue culture lab.

(2×15=30)