**B.Sc. Botany Degree (C.B.C.S.S.) EXAMINATION, OCTOBER 2015**

**Fifth Semester**

**Model Questions**

**Open course: AGRIBASED MICROENTERPRISES**

(2013 admissions)

Time: Three Hours Maximum marks: 80

**Part A**

Answer **all** questions.

Each question carries **1** mark

1. Name any four types of gardens.

2. What is an arboretum?

3. What is a bromeliad?

4. Draw a labelled diagram of a mushroom.

5. Where is the National Mushroom Research Institute situated?

6. What are bio fertilizers? Cite an example

7. What is embryogenesis?

8. What is biopesticide?

9. What is spawn?

10. What is fernery? (10×1=10 Marks)

**Part B**

Answer any **eight** questions.

Each question carries **2** marks

11. Briefly explain the packing and preservation of mushroom.

12. Explain how the humidity of the mushroom shed can be maintained.

13. What are the uses of laminar flow?

14. Distinguish between differentiation and redifferentiation.

15. Explain different methods of explant sterilization.

16. Comment on any two organic manures.

17. Write the name and use of any two garden tools

18. What is the importance of pruning?

19. Write a note on garden adornments.

20. Briefly explain the natural methods of vegetative propagation.

21. Comment on micropropagation.

22. What are the advantages of a green house?

 (8×2=16 Marks)

**Part C**

Answer any **six** questions.

Each question carries **4** marks

23. What are the advantages and disadvantages of micropropagation?

24. Explain the lifecycle of mushroom with the help of diagram.

25. Explain briefly the steps of wine

26. What is Bonsai? How it is prepared?

27. Enumerate the pests and diseases of mushrooms. Add a note on their control

28. What is PGPR? Explain its advantages and disadvantage.

29. Write a note on garden adornments.

30. Comment on micropropagation.

 (6×4=24 marks)

**Part D**

Answer any **two** questions.

Each question carries **15** marks

31. Write an essay on the preparation and maintenance of a lawn.

32. Explain the principles of ornamental garden designing. What are the garden components?

33. Explain the basic composition of a plant tissue culture medium

34. Explain the cultivation of Oyster mushroom. (2×15=30 marks)