Reg. No……..…….. Name……..…… **18U559**

B. A./B. Sc./B.COM DEGREE END SEMESTER EXAMINATION - OCTOBER/NOVEMBER 2018

SEMESTER **–5: BOTANY (OPEN COURSE)**

COURSE: **15U5OCBOT1: AGRIBASED MICRO ENTERPRISES**

(Common for Regular 2016 Admission & Supplementary 2015, 2014 Admissions)

Time: Three Hours Max. Marks: 75

PART A

I. *Answer **ALL** questions; each question carries **1** mark.*

1. Who is the father of green revolution?
2. Write down the active principle of tobacco decoction
3. Name a plant that can propagate vegetatively through leaves?
4. Name the type of budding employed in rubber cultivation?
5. Define fenery?
6. What is the use of *Asparagus* in floriculture trade?
7. Name a common pest of mushroom cultivation.
8. Why Oyster mushroom is called so?
9. What is the morphology of the useful part of mushrooms?
10. What is topiary? (1 x 10 = 10)

PART B

II. *Answer **ANY EIGHT** questions; each question carries **2** marks.*

11. Explain PGPR.
12. What is biological control?
13. Differentiate between budding and grafting.
14. What is an indoor garden?
15. List out the common foliage used in flower arrangement.
16. Explain the nutritional value of mushrooms.
17. Explain the post harvest technology of mushrooms.
18. Explain totipotency and its significance in plant tissue culture.
19. Describe somatic embryogenesis.
20. What is explant? (2 x 8 = 16)

PART C

III. *Answer **ANY FIVE** questions; each question carries **5** marks.*

21. What are biopesticides? Add a note on its advantages.
22. What is bonsai? Explain the procedure of bonsai preparation.
23. Write an account on various irrigation methods.
24. Explain the advantages of dry flower arrangement.
25. Narrate the diseases of mushrooms cultivation.
26. Differentiate between dedifferentiation and redifferentiation. Add a note on its significance in plant tissue culture.
27. Explain the advantages of plant tissue culture. (5 x 5 = 25)

PART D

IV. *Answer **ANY TWO** questions; each question carries **12** marks.*

28. Write an account on various natural and artificial methods of plant propagation.
29. Explain the various composting techniques you have studied with its advantages.
30. Describe the stages in plant tissue culture. Add a note on its advantages. (12 x 2 = 24)

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