Reg. No…….. Name…… **16U222**

B.SC. DEGREE END SEMESTER EXAMINATION MARCH 2017

SEMESTER **– 2: BOTANY**

COURSE: **15U2CRBOT2 –: MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY**

(*Common for Regular 2016 admission and Supplementary 2015 admission)*

Time: Three Hours Max. Marks: 60

PART A

I. Answer **all** questions; each question carries one mark.

1. What is a mycotoxin?
2. Name any two poisonous mushrooms.
3. How are lichens classified based on their thallus structure?
4. Name the causative organism of citrus canker.
5. What is a macrocyclic fungus?
6. Name the fruiting body of an Ascomycota.
7. Name the pore type in Basidiomycetes.
8. What is a chlamydospore? (1 x 8 = 8)

PART B

II. Answer **any six** questions; each question carries two marks.

9. What is a myxamoeba? Explain its role in myxomycetes.
10. Explain the structure of sporangium in Rhizopus with suitable diagrams
11. What is meant by Heterothallism?
12. What is a mycorrhiza?
13. Name the causative fungus of Rust disease in Wheat.
14. What is a soredia?
15. Name any two organisms involved in bio control of pests and Pathogens.
16. Name the causative organism and symptoms of Cadidiasis.
17. Illustrate the structure of the apothecium in Peziza.
18. Name a viral and bacterial disease in Plants. (2 x 6 = 12)

PART C

III. Answer **any four** questions; each question carries four marks.

19. Explain seed certification.
20. What is Bordeaux mixture? Explain its preparation.
21. Explain the causative organism, symptoms and control measures of abnormal leaf fall in Rubber.

22. Discuss the economic importance of lichens.
23. Explain parasexuality. How is it significant in fungi?
24. Explain the thallus classification in myxomycstes. (4 x 4 = 16)

PART D

IV. Answer **any two** questions; each question carries twelve marks.

25. What is meant by a lichen? Briefly explain the structure and life cycle of *Parmelia*.
26. Explain the life cycle of Puccinia with suitable diagrams
27. Discuss the various interactions involved in mechanism of infection.
28. Explain the life cycle of *Albugo* with diagrams (12 x 2 = 24)

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