B. Sc. DEGREE END SEMESTER EXAMINATION MARCH / APRIL 2018

SEMESTER – **2: BOTANY (CORE COURSE)**

COURSE: **15U2CRBOT2: MYCOLOGY - LICHENOLOGY AND PLANT PATHOLOGY**

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

Time: Three Hours   Max. Marks: 60

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

   1. Name an allergic fungus.

   2. What is Capillitium?

   3. What is aflatoxin?

   4. Explain quarantine.

   5. Draw the structure of a uredospore.

   6. What is VAM?

   7. Name the causative organism of abnormal leaf fall in rubber.

   8. What is a demicyclic fungus?   (1 x 8 = 8)

II Answer any **Six** questions; each question carries Two marks.

   9. Name any two parasitic fungi.

   10. Give any two distinguishing features of Deuteromycotina.

   11. What is meant by medical mycology?

   12. Explain crozier formation is ascomycetes.

   13. Explain any two asexual spores in fungi.

   14. What is meant by biocontrol of diseases?

   15. What is meant by aspergillosis?

   16. What is heterothallism?

   17. Name the causative organism and any two symptoms of citrus canker.

   18. Name any two edible mushrooms.   (4 x 4 = 16)

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

   19. Explain thallus classification in myxomycetes.

   20. Draw the labelled structure of the apothecium of a lichen.

   21. Discuss the symptoms and causative organism of Bunchy top of Banana.

   22. How are fungi economically important?

23. Explain the preparation of any two fungicides.

24. Briefly explain sexual methods of reproduction in fungi. (12 x 2 = 24)

IV   Answer any **Two** questions; each question carries Twelve marks.

25. With the help of suitable diagrams explain the structure and life cycle of *Puccinia.*

26. Explain the symptoms, disease cycle and control of cassava mosaic disease.

27. What is a lichen? How are they classified based on the thallus and briefly discuss the asexual methods of propagation.

28. Discuss the classification of fungi by Ainsworth (1973) (12 x 2 = 24)

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