

17P135

(Pages:2)

Name:

Reg. No.

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2017

(Regular/Supplementary/Improvement)

(CUCSS-PG)

**CC15P B01 C02 – MYCOLOGY AND LICHENOLOGY, MICROBIOLOGY AND
PLANT PATHOLOGY**

(Botany)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

PART A

Answer *all* questions briefly. Each question carries 1 weightage.

1. Explain Koch's postulates?
2. Describe the etiology and control measures of Bud rot of coconut.
3. What is meant by Iatrogenic plant diseases.
4. What are angiosperm parasites? *****
5. What is Dolipore septum?
6. Mention the importance of VAM fungi.
7. Write a short note on mitosporic fungi.
8. Describe the structure of zygospore.
9. What is Cephalodia?
10. Cleistothecium.
11. Describe the salient features of archaebacteria.
12. What are Prions?
13. Mention the significance of Actinomycetes.
14. Differentiate between TMV and T4 phage.

(14 x 1 = 14 weightage)

PART B

Answer any *seven* questions each in not more than 100 words.

Each question carries 2 weightage.

15. Describe the disease symptoms caused by fungal pathogens in plants?
16. Explain the role of enzymes in pathogenesis.
17. Explain the symptoms, etiology and control measures of coffee rust.
18. Write a short note on lignin degrading fungi.
19. Explain Parasexuality in fungi.
20. Enumerate the economic and ecological importance of lichens.
21. Explain reproduction in Basidiomycota.

22. Write note on Plant viruses.
23. Describe the industrial production of alcohol.
24. Explain about Plasmids and their characterization.

(7 x 2 = 14 weightage)

PART C

Answer any **two** questions in 300 words. Each question carries 4 weightage.

25. Write an account of plant disease management.
26. Fungi are heterotrophs. Justify the statement by explaining the mode of nutrition of fungi in detail with examples.
27. Write in detail about food spoilage and preservation methods.
28. Give an account on the structure, reproduction and economic importance of Cyanobacteria.

(2 x 4 = 8 weightage)

(14 x 1 = 14 weightage)

PART B

Answer any seven questions each in not more than 100 words.

Each question carries 2 weightage.

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