

16P130

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P BO1 C02 – MYCOLOGY AND LICHENOLOGY, MICROBIOLOGY AND PLANT PATHOLOGY

(Botany)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

I Answer all questions briefly

1. Name the two major cell wall components of fungi.
2. What is the cause of Irish famine?
3. What is phaneroplasmodium?
4. Enumerate the nutritional types in fungi
5. What is synthetic media?
6. What is a pure culture?
7. Write the etiology of bacterial blight of paddy.
- 8 Enumerate the salient features of Mycoplasmas.
9. Mention the application of fungicides.
10. What are biofertilizers ?
11. What are the abiotic causes of plant diseases?
12. What are extracellular enzymes?
13. How cyanobacteria are classified?
14. Mention the importance of single cell proteins (14 x 1=14 weightage)

II Answer any 7 questions each in not more than 100 words:

15. Write a note on Heterothalism.
16. Write an account on Archaeobacteria.
- 17 Describe the industrial production of alcohol.
18. Explain the process of penetration and entry of pathogen into host tissue.
19. Microorganisms are sources of food.Justify
20. Write the classification of fungi according to Alexopoulos.
21. Explain the role of enzymes in pathogenesis.
- 22 .What are Coprophilous fungi? Explain their importance.
23. Write short note on plant diseases caused by mineral deficiencies.
24. Discuss the etiology and management practices for Tikka disease of groundnut. (7 x 2 = 14 weightage)

III Answer any 2 questions in 300 words:

25. Write in detail about food spoilage and methods of preservation.
26. Explain in detail structural and biochemical basis of host parasite interaction.
27. Describe the role of fungi as symbionts and their significance.
28. Give a general account on lichens. Add a note on their ecological and economical importance.

(2 x 4 = 8 weightage)
