



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No.:.....

Name:.....

Third Semester B.Sc. Degree Examination, November 2016

First Degree Programme under CBCSS

Core Course: Botany – II

AUBO341: Microbiology, Phycology, Mycology, Lichenology and Plant Pathology
(for 2014 Admissions – *Improvement Only*)

Time: **3 Hours**

Max. Marks: **80**

SECTION – A

*Write short notes on **ALL** the following.*

1. Sargasso sea
2. Capsid
3. Name any four commercial products from algae
4. Rhizines
5. Floridean starch
6. Plasmodium
7. Conidia
8. Isidia
9. Coprophilous fungi
10. Biofertilizer

(10 × 1 = 10 Marks)

SECTION – B

*Answer any **EIGHT** questions, not exceeding one paragraph.*

11. What is perithecium ? Explain with a diagram and example.
12. Explain sexual reproduction in Usnea.
13. Describe the structure of nucule of chara with the help of a diagram.

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14. What is the composition of Bordeaux mixture ?
15. What are algal blooms ?
16. What are fairy rings ?
17. Describe the symptoms and control measures of Root wilt of coconut.
18. Give a brief account on pigments in algae.
19. What is food spoilage ? Give the different methods by which food spoilage occurs.
20. Give the thallus structure of Pinnularia with suitable diagram.
21. Describe asexual method of reproduction in Rhizopus.
22. Give the structure of T M V.

SECTION – C

23. Give a brief account on host – parasite interaction.
24. Describe the different ways by which sexual reproduction achieved in bacteria.
25. Enumerate the important characteristics of Agaricus.
26. Describe the sexual reproduction in Oedogonium with diagram.
27. Give the main features of discomycetes with suitable example.
28. Enlist the economic importance of Lichen.
29. What are the General features of Myxomycetes ?
30. Classify the bacteria based on flagellation.
31. Explain the sexual reproduction in Pencillium.

SECTION – D

32. Enumerate the general characters and economic importance of fungi.
33. Describe the life history of *Saccharomyces* with diagram.
34. Explain the life history of *Polysiphonia* with diagram.
35. Explain the different spore stages in the life history of *Puccinia* with diagram.

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