



Reg. No. :

Name :

**First Semester B.Sc. Degree Examination, February 2018
(Career Related First Degree Programme under CBCSS)**

Group 2(a) BOTANY AND BIOTECHNOLOGY

**Core Course I BB 1141/BV 1141.1 : Phycology, Mycology, Lichenology
and Plant Pathology**

(Common for Group 2(b) Biotechnology (Multi Major))

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** the questions in a word or **one to two** sentences. **Each** question carries **one** mark :

(1×10=10 Marks)

Draw diagrams **wherever** necessary.

Choose the correct answer.

1. The Algae with synzoospore.
2. A Poisonous mushroom.
3. The Algae with cap cells.
4. The fungal partner of Lichen is called _____
5. The Vitamin obtained from Yeast.
6. The asexual plants of polysiphonia are called _____
7. Common name of Myxomycetes.
8. The Algae rich in Iodine.
9. Spores produced by Cercospora.
10. Father of Indian Algology.



SECTION - B

Answer **any 8** questions. **Each** question carries **2** marks.

(Answer **not** to exceed **one** paragraph) :

(2×8=16 Marks)

11. Define a prokaryote with an example.
12. What is crustose lichen ?
13. Explain heterogamy.
14. What is diatomaceous earth ?
15. With example explain giant kelps.
16. What is biological control ?
17. Structure and function of androspore.
18. What is Evection ?
19. Symptoms of Leaf Mosaic of Tapioca.
20. Comment on Amylum stars.
21. What is an akinete ?
22. Define isomorphic life cycle with example.

SECTION - C

Answer **any 6** questions. Answer **not** exceed **120** words. **Each** question carries **4** marks :

(4×6=24 Marks)

23. Write a note on mycorrhiza and its significance.
24. Explain the asexual reproduction in Vaucheria.
25. Describe the symptoms, pathogen and control measures of Blast disease of paddy.
26. Describe the general characters of cyanophyceae.
27. With diagram describe the internal structure of Peziza apothecium.



28. Give an account on Pigmentation in Algae.
29. Explain asexual reproduction in penicillium.
30. Describe how lichens are classified.
31. With diagram describe the globule of chara.

SECTION - D

Answer **any 2** questions. **Not more than three** pages. **Each** question carries **15** marks : **(2×15=30 Marks)**

32. Describe the life cycle of Puccinia.
 33. Give an account of reproduction in Sargassum with suitable diagrams.
 34. Describe the different methods of reproduction in Rhizopus.
 35. Write an essay on economic importance of Algae.
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