



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FIRST SEMESTER – APRIL 2016

PB 1505/1502/1500 – PLANT DIVERSITY - I (ALGOLOGY, MYCOLOGY, BRYOLOGY)

Date: 02-05-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART-A

Answer the following, each within 50 words

(10 x 2 = 20 Marks)

1. Mention any two salient features of Algae.
2. What is Phialopore?
3. Define aplanospores.
4. Define Carposphyte.
5. State any two economic importances of Algae.
6. What is Biofertilizer?
7. Mention any two general characters of ascomycotina.
8. Write a short note on uredospore.
9. What is Gemma?
10. Define Protonema.

PART- B

**Answer the following, each within 500 words,
Draw Diagrams whenever necessary:**

(5 x 7 = 35 Marks)

11. (a) Distinguish between Prokaryotic and Eukaryotic cell.
(OR)
(b) Describe the Life cycle patterns in Algae.
12. (a) Explain the reproduction in Volvox.
(OR)
(b) Describe the Life cycle of Ectocarpus.
13. (a) Explain the Parasexuality in of Fungi.
(OR)
(b) Describe the structure of Rhizopus.
14. (a) Explain the reproduction of Usnea.
(OR)
(b) Describe the economic importance of Fungi.
15. (a) Describe the thallus structure of Anthoceros.
(OR)
(b) Describe the structure of capsule in Funaria.

PART-C

**Answer any THREE of the following, each within 1200 words,
Draw Diagrams whenever necessary**

(3 x 15 = 45 Marks)

16. Write a brief account of the classification of Algae proposed by Harold C Bold.
17. Discuss the life cycle of Vaucheria.
18. Explain the structure and reproduction of Saccharomyces.
19. Describe the life cycle of Puccinia.
20. Discuss the general characters and importance of Bryophytes.

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