

SECTION - C (2 ×20 = 40)*Answer ALL questions.**Each answer should not exceed 1,200 words.**All questions carry equal marks.*

15. (a) Discuss the life cycle and reproduction of phaeophyceae.

(OR)

- (b) Write an account of the economic importance of algae.

16. (a) Write an account of the classification of fungi with special reference to Alexopolous.

(OR)

- (b) Discuss the various theories on the alternations of generation in bryophytes.

Register Number :

Name of the Candidate :

5 6 9 9**M.Sc. DEGREE EXAMINATION, 2009**

(BOTANY)

(FIRST YEAR)

(PAPER - 1)

**110. PHYCOLOGY, MYCOLOGY
AND BRYOLOGY**

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 3 = 24)*Answer ALL questions.**Each answer should not exceed FIFTY words.**All questions carry equal marks.*

1. Bulbils.
2. Protonema.
3. Heterotrichous habit.
4. Heterokont.

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5. Encystment.

6. Gemmae cup.

7. Columella.

8. Apospory.

SECTION - B (6 × 6 = 36)

Answer ALL questions.

Each answer should not exceed 300 words.

All questions carry equal marks.

9. (a) Describe the evolutionary trends in cyanophyceae.

(OR)

(b) Write a short note on algal pigments.

10. (a) Write an account of the reproduction of Rhodophyceae.

(OR)

(b) Describe the sexual reproduction in basidiomycetes.

11. (a) Describe nutrition in fungi.

(OR)

(b) Describe the general characters of fungi.

12. (a) Write a brief note on the fruiting bodies in Ascomycetes with suitable diagrams.

(OR)

(b) Write a short note on para sexual cycle.

13. (a) Discuss the statement, "Lichen is a symbiotic association."

(OR)

(b) Describe the structure and reproduction of Lichen.

14. (a) Describe the vegetative reproduction in bryophytes.

(OR)

(b) Explain the sporophyte of Anthocerotales.

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