

19. (a) Describe the various types of thalli in Marchantiales.

Or

- (b) Give a brief account of the habitat, distribution and external features of the gametophytes of Jungermanniales.
20. (a) Give an account of economic importance of Lichen.

Or

- (b) Write an account on the evolutionary trends among Bryophytes.

Reg. No. :

Code No. : 8178

Sub. Code : C 11 B

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2011.

First Semester

Botany

PLANT DIVERSITY –I : ALGAE, FUNGI, LICHENS
AND BRYOPHYTES

(For those who joined in July 2008 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Explain/Write notes on the following

1. Nannandria.
2. Benthos.
3. Heterothallic.
4. Cup-fungi.
5. Phycobiont.
6. Basidiolichen.

7. Perichaetium.
8. Elaters.
9. Sodium Alginate.
10. Peat.

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

11. (a) Differentiate Pennate and Centric Diatoms.
Or
(b) Write the general characters of Phaeophyceae.
12. (a) How does a Basidium differ from an Ascus?
Or
(b) Give a general account on the group Fungi imperfecti.
13. (a) Write critical note on uses of micro-chemical test in Lichenology.
Or
(b) Describe the internal features of lichen.
14. (a) Describe the sporangia of Marchantiales.
Or
(b) Write the general characteristics of Jungermanniales in brief.

15. (a) Write short note on the medicinal uses of Bryophytes.

Or

- (b) Write notes on the uses of Lichen in Perfumery and Dyes.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

16. (a) Write the general characters of Algae in detail.
Or
(b) List the criteria used for Algal classification.
17. (a) Describe the principal orders of Basidiomycetes and characterize them.
Or
(b) Give an account on the life cycles of Zygomycetes.
18. (a) Give an account on the habit and habitat of Lichen.
Or
(b) Explain the various methods of reproduction found in Lichens.