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LB—97—2023

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2023

(CBCS/New Pattern)

BOTANY

Paper–II

(Biology and Diversity of Cryptogams)

(Saturday, 6-05-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time— Three Hours

Maximum Marks—75

N.B. :— (i) Attempt all questions.

(ii) All questions carry equal marks.

(iii) Draw neat and well labelled diagrams whenever necessary.

1. Describe in detail ultra structure of Algal cell and add a note on reproduction in algae. 15

Or

Give a general accounts on occurrence of Algae in diversified habitat. 15

2. Describe in detail general morphology, reproduction and phylogenetic consideration of Rhodophyta ? 15

Or

Describe in detail general morphology, reproduction and phylogenetic consideration of chlorophyta ? 15

3. Describe in detail thallus organisation, anatomy and reproduction in funariales. 15

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Or

Describe in detail thallus organisation, anatomy and reproduction in
Marchantiales ? 15

4. Give an account on morphology, anatomy and reproduction in Lycopodiales. 15

Or

Give an account on morphology, anatomy and reproduction in Equisetales. 15

5. Write short notes on any *three* : 15

- (i) Pigments in algae
- (ii) Algae in symbiotic association
- (iii) Economic importance of Bryophytes
- (iv) Organisation in Pteridophytes.

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