

This question paper contains 2 printed pages]

WT—101—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

BOTANY

Paper II

(Biology and Diversity of Cryptogams-II)

(Thursday, 12-12-2024)

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

Time—3 Hours

Maximum Marks—75

Note :— (i) Attempt all questions.

(ii) All questions carry equal marks.

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

1. Explain general characters and classification of algae by F.E. Fritsch. 15

Or

Describe the ultrastructure of Algal cell. Explain types of flagella.

2 Describe the reproduction in chara. 15

Or

Describe the ultrastructure of cyanobacterial cell.

P.T.O.

3. Explain classification of Bryophytes by Smith. 15

Or

Describe the structure of protonema and capsule of funaria.

4. Describe graphic representation of life cycle of lycopodium. 15

Or

Describe L.S. of sporocarp of marselia with suitable diagram.

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

(a) Economic importance of pteridophytes

(b) Structure of anthoceros thallus

(c) General morphology of Nostoc.

(d) Algal blooms.