

This question paper contains 2 printed pages]

NY—101—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(CBCS/New Pattern)

BOTANY

Paper II

(Biology and Diversity of Cryptogams)

(Thursday, 7-12-2023)

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 wherever necessary.

1. Give an account on general characters of algae and add a note on classification purposed by F.E. Fritish. 15

Or

Give an account on thallus organization in algae and add a note on ultra structure of algal cell. 15

2. Describe in detail general morphology reproduction and phylogenetic consideration of chlorophyta. 15

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(2)

NY—101—2023

Or

Describe in detail general morphology, reproduction and phylogenetic consideration of cyanophyta. 15

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

Or

Describe in detail thallus organisation, anatomy and reproduction in Sphagnales. 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 any *three* : 15

(a) Algal blooms

(b) Fossil algae

(c) Economic importance of Bryophytes

(d) Phenomenon of heterospore and seed habit.

NY—101—2023

2