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NA—30—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

BOTANY

Paper III

(Bryophytes, Pteridophytes, Gymnosperms and Paleobotany)

(Saturday, 9-12-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Draw well labelled diagrams wherever necessary.

1. Describe in detail sexual reproduction in Marchantia. 15

Or

Write in brief :

(a) Sex organs in Funaria 8

(b) External morphology of Lycopodium. 7

2. Describe structure of megasporophyll of Cycas. Add a note on L.S. of Cycas ovule. 15

P.T.O.

WT

(2)

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Or

Write in brief :

- (a) T.S. of Pinus stem 8
- (b) Process of fossilization. 7
3. Write short notes on any *two* of the following (each of 5 marks) : 10
- (a) Vegetative Reproduction in Marchantia
- (b) T.S. of Marsilea petiole
- (c) Economic importance of Gymnosperms
- (d) Geological time scale.

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