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**GA—43—2023**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Second Semester) EXAMINATION**

**APRIL/MAY, 2023**

**(New Pattern)**

**BOTANY**

**Paper III**

**(Bryophytes, Pteridophytes, Gymnosperms and Paleobotany)**

**(Saturday, 29-4-2023)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—Two Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

*(ii) Draw well labelled diagrams wherever necessary.*

1. Describe external and internal structure of Marchantia thallus. 15

*Or*

Write in brief :

(a) Internal structure of Funaria capsule. 8

(b) Classification of Pteridophytes as per N.S. Parihar. 7

2. Describe external morphology of Cycas sporophyte. Add a note on T.S. of Cycas Pinna. 15

Write in brief :

(a) T.S. of Pinus needle 8

(b) General characters of Ginkgo. 7

P.T.O.

3. Write short notes on any *two* of the following (each of **5** marks) : 10

- (a) General characters of Bryophytes
- (b) Economic importance of Pteridophytes
- (c) Structure of Pinus male cone
- (d) Bennetties flower.