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**SB—64—2022**

**FACULTY OF SCIENCE**

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

**MAY/JUNE, 2022**

**(Old Course)**

**BOTANY**

**Paper-VIII**

**(Gymnosperm and Paleobotany)**

**(Monday, 13-06-2022)**

**Time : 2.00 p.m. to 04.30 p.m.**

*Time— 2½ Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions.*

*(ii) Illustrate your answers with suitable labelled diagrams, wherever necessary.*

1. Define secondary growth. Describe secondary growth in Pinus stem. 15

*Or*

(a) Explain anatomy of Cycas stem. 8

(b) Explain anatomy of Cycas leaflet. 7

2. Explain the reproductive structure male cone in Gnetum. 15

*Or*

(a) Describe geological time scale. 8

(b) Describe Bennettites flower. 7

**P.T.O.**

3. Attempt any *two* of the following :

10

- (a) T.S. of Pinus stem
- (b) Economic importance of Cycas
- (c) Bennettites flower
- (d) Anatomy of Gnetum stem.