

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)  
Chromepet, Chennai — 600 044.

B.Sc. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - IV

20UPBCT4007 - Gymnosperm, Paleobotany and Evolution

Total Duration : 3 Hrs.

Total Marks : 60

**Section A**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. General characteristic feature of class Gymnosperm.
2. Write short note on Phylum Coniferophyta.
3. Interpret the structure of normal root and Coralloid root of Cycas.
4. Economic importance of cycas plant.
5. Explain the Nomenclature of fossils.
6. Importance of Geological time scale.
7. Write brief notes on Chemosynthetic theory on the origin of life.
8. What are the Genetic Variation in nature?

**Section B**

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Show the outline classification of Gymnosperm with examples.
10. Illustrate the vegetative reproduction of Cycas.
11. What is Fossil? Classify the fossilization.
12. Explain briefly the Fossils of Medullosa.
13. Evaluate the origin of life.

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