

M.Sc.(Botany) CBCS Pattern Semester-I
PSCBOTT03 - Paper-IV : Gymnosperms & Paleobotany

P. Pages : 1

Time : Three Hours



GUG/W/23/11152

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labeled diagrams wherever necessary.

1. Describe in detail the Geological time scale. 16

OR

Write notes on:

- a) Nomenclature of fossils. 8
b) Age determination of fossils. 8

2. Write general account on Gymnosperms with it's origin and distribution. 16

OR

Write notes on:

- a) Morphology and evolutionary trends of *Trignocarpus*. 8
b) Morphology and evolutionary trends of *Beania*. 8

3. Give an account on Morphology and Systematic position Glossopteridales pentoxylales. 16

OR

Write notes on:

- a) General account on cordaitales. 8
b) General account Gnetales 8

4. Give details accounted on vegetative and reproductive morphology of Coniferales. 16

OR

Write notes on:

- a) Morphology of Ginkgoales. 8
b) Evolutionary trends in Taxales. 8

5. Write short note on:
- a) Fossil age determination. 4
b) Heterangium. 4
c) Cytonia 4
d) Baiera 4
