

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

- 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**
