

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

P. Pages : 1

Time : Three Hours



**GUG/W/24/11152**

Max. Marks : 80

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

- 1.** Define fossilization. Write in details on the various types of fossils with examples. **16**
- OR**
- Write notes on-
- a) Fossil Reconstruction and Nomenclature. **8**
  - b) Geological Time Scale. **8**
- 2.** Write note on classification and economic importance of Gymnosperms. **16**
- OR**
- Write notes on-
- a) Williamsonia-morphology and fructification. **8**
  - b) Medullosa. **8**
- 3.** Glossopteridales general account and relationships. **16**
- OR**
- Write notes on-
- a) Cordaites general structure and reproduction. **8**
  - b) Reproduction in Gnetum. **8**
- 4.** Describe the morphology with male and female reproductive organ and Taxus in detail. **16**
- OR**
- Write notes on-
- a) T.S. Stem and T.S. Leaf of Ginkgo. **8**
  - b) T.S. Stem and T.S. needle of Pinus. **8**
- 5.** Write short notes on-
- a) Applied aspects of Paleobotany. **4**
  - b) Androstrobus. **4**
  - c) Pentoxylon. **4**
  - d) Baiera **4**

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