

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11152

Max. Marks : 80

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

1. What are the fossils? Describe the process of fossilization and techniques of preservation. **16**
- OR**
- Write note on;
- a) Geological time scale **8**
- b) Reconstruction and nomenclature of fossil plants. **8**
2. Write in details on Lyginopteridaceae. **16**
- OR**
- Write note on;
- a) Trignocarpus **8**
- b) Evolutionary tendencies is Williamsoniaceae **8**
3. Write general account and relationship of Gnetales. **16**
- OR**
- Write note on;
- a) Cordaitales **8**
- b) Glossopteridales. **8**
4. Write detail account of Coniferales with special reference to morphology and reproductive organs. **16**
- OR**
- Write note on;
- a) General characteristics of Ginkgoales. **8**
- b) General characteristics of Taxus. **8**
5. Write short note on:
- a) Applied aspects of paleobotany **4**
- b) Cycadeoidaceae **4**
- c) Caytoniales **4**
- d) Coniferales embryo **4**
