

M.Sc. (Botany)(with Credits)-Regular-Semester 2012 / (CBCS Pattern) Sem I  
**BOT-03 / PSCBOTT03 - Gymnosperms and Paleobotany Paper-III**

P. Pages : 1

Time : Three Hours



**GUG/S/18/3416**

Max. Marks : 80

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

**1.** Write on various fossil plant preservations and techniques to study them. **16**  
**OR**

Write notes on: **2x8**  
a) Age determination of fossils.  
b) Reconstruction and nomenclature.

**2.** Write in detail on Lyginopteridaceae. **16**

**OR**

Write notes on: **2x8**  
a) Stelar variation in Medullosa. Stem.  
b) Fossil Cycads.

**3.** Write general account on Glossopteridales. **16**

**OR**

Write notes on: **2x8**  
a) Fructification in Cordaitales.  
b) Fructification of Pentoxylon.

**4.** Write comparative account on reproductive organs in coniferales. **16**

**OR**

Write notes on- **2x8**  
a) Fossil members of Ginkgoales.  
b) Male and female flower in Taxus.

**5.** Write short notes on- **4x4**

- a) Coal- fossil fuel.
- b) Williamsonia Sewardiana.
- c) Anatomy of Gnetum stem.
- d) Leaves of conifers.

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