

M.SC. (Botany) (CBCS Pattern) First Semester Old+CBCS  
**PSCBOTT03 / BOT-03 - Gymnosperms & Paleobotany Paper-III**

P. Pages : 1

GUG/W/18/11152

Time : Three Hours



Max. Marks : 80

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

1. What is Fossil? Write on various Fossil plant preservation preparation and age determination. 16

**OR**

Write short note on.

- a) Geological time scale. 8  
b) Reconstruction and nomenclature of fossils. 8

2. Write in detail on Lyginopteridaceae. 16

**OR**

Write short notes on.

- a) Stelar variation in Medulosa stem. 8  
b) Fossil Nilssonia. 8

3. Write general account on Gnetales. 16

**OR**

Write notes on

- a) Caytoniales. 8  
b) Fructification of pentxylon. 8

4. Write comparative account on reproductive organ in coniferals. 16

**OR**

Write notes on.

- a) Male and Female Flower in Taxus. 8  
b) General characters of Ginkgoales. 8

5. Write short notes on.

- a) Applied aspects of paleobotany. 4  
b) Androstrobus. 4  
c) Anatomy of Gnelum stem. 4  
d) Living Fossil. 4

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