

M.Sc.(Botany) (NEP Pattern) Semester-I  
**NEP-03 / 01MSCB3 - Paper-III - Gymnosperms & Paleobotany**

P. Pages : 1

Time : Three Hours



**GUG/W/24/15063**

Max. Marks : 80

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

1. Describe in details the general characters, and economic importance of gymnosperms. **16**  
**OR**  
Write notes on-  
a) Aneurophyton. **8**  
b) Archaeopteris. **8**
2. Describe in details the morphological and reproductive characters of glossopteris. **16**  
**OR**  
Write notes on-  
a) Caytonia. **8**  
b) Pentoxylon. **8**
3. Describe in details the morphological and reproductive characters of Gentium. **16**  
**OR**  
Write notes on-  
a) Pinus male and female cane. **8**  
b) Reproduction of Taxus. **8**
4. What is fossil? Describe the process, condition and types of fossils. **16**  
**OR**  
Write notes on-  
a) Geological time scale. **8**  
b) Reconstruction, nomenclature and age determination of fossils. **8**
5. Write short notes on:  
a) Progymnospermopsida. **4**  
b) Williamsonia. **4**  
c) Ginkgo. **4**  
d) BSIP, Lucknow **4**

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