

M.Sc.(Botany) (NEP Pattern) Semester-I
NEP-04-3 / 01MSCB4.3 - Major Elective - DSE - Paper-IV : Paleobotany-I

P. Pages : 1

Time : Three Hours



GUG/W/23/15066

Max. Marks : 80

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

1. Write in details about the primitive vascular plants. Describe Zosterophyllopsida with respect to *Zosterophyllum* and *Asteroxylon*. 16
- OR**
- Write note on:
- a) *Cooksonia*. 8
- b) *Horniohyton*. 8
2. Explain the order Filicales and their relatives -*Ankyropteris* and *Psaronius*. 16
- OR**
- Write notes on:
- a) *Calamites* and *Cladoxylon*. 8
- b) *Sphenophyllum* and *Stauropteris*. 8
3. Describe in detail the life in Precambrian period and three fold division of Indian Gondwana land. 16
- OR**
- Write note on:
- a) Continental and plate tectonic theory. 8
- b) Parataxon and Eutaxon. 8
4. What is petrology? Describe in detail the classification and dating of rocks. 16
- OR**
- Write notes on:
- a) Glaciation, Volcanic eruption. 8
- b) Fold and Fault. 8
5. Write short notes on.
- a) *Baragwanthia*. 4
- b) *Hyenia*. 4
- c) Eutaxon. 4
- d) Earth zones. 4
