

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

-
- 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) *Hornioephyton*. 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
