

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

P. Pages : 1

Time : Three Hours



GUG/W/24/15066

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 Rhyniopsida with respect to *Cooksonia* and *Hornophyton*. **16**

OR

Write note on:

- a) Baragwanthia **8**
b) Protolpidodendron **8**

2. Explain the primitive ferns and their relatives - Cladoxylales and Stauropteridales. **16**

OR

Write notes on:

- a) Hyenia and Sphenophyllum. **8**
b) Ankyropteris and Psaronius **8**

3. Describe in detail the origin, present condition and life in Precambrian period on the earth. **16**

OR

Write notes on:

- a) Continental and Plate tectonic theory. **8**
b) Fossil flora of Indian Gondwana land. **8**

4. What is petrology. Describe in detail the different type of earth zone and chemical composition of earth crust. **16**

OR

Write notes on-

- a) Different type of rocks. **8**
b) Earth movement. **8**

5. Write short notes on-

- a) Zosterophyllum. **4**
b) Calamites **4**
c) Parataxon **4**
d) Volcanic eruption **4**
