

M.Sc.(Botany) (NEP Pattern) - Semester-III
03MSCBOT04.3 - Elective DSE Paper-IV : Paleobotany-III

P. Pages : 1

Time : Two Hours



GUG/W/24/15957

Max. Marks : 40

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

- 1.** What is prebiotic environment. Describe in detail the chemical evolution and origin of life. **8**
- OR**
- Write notes on:
- a) Pre-Cambrian life **4**
- b) Fossil bryophytes **4**
- 2.** Describe in detail the origin, migration and concentration of petroleum. **8**
- OR**
- Write notes on:
- a) Coal and its varieties **4**
- b) Palynology in oil exploration **4**
- 5.** What is Archaeobotany. Describe Archaeobotany with special reference to phytoliths and palynological studies. **8**
- OR**
- Write notes on:
- a) Paleogeography and palaeoclimatology. **4**
- b) Application of paleopalynology. **4**
- 4.** Describe in detail the integration of Remote sensing and GIS techniques and its application in Geological Science. **8**
- OR**
- Write notes on:
- a) Principles and application of GPS. **4**
- b) Concept of Para taxa and Eutaxa. **4**
- 5.** Write short notes on:
- a) Fossil Algae **2**
- b) Peat **2**
- c) Paleo floristics **2**
- d) Microfossils **2**
