

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

P. Pages : 1

Time : Three Hours



GUG/S/25/15957

Max. Marks : 40

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

- 1.** Explain in detail the chemical evolution and origin of life in prebiotic environment. **8**
- OR**
- Write notes on:
- a) Fossil bryophytes. **4**
- b) Indian pre-Cambrian stratigraphy and life forms. **4**
- 2.** Describe in detail the origin, migration and concentration of petroleum. **8**
- OR**
- Write notes on:
- a) Coal palynology and maceral. **4**
- b) Palynology in oil exploration. **4**
- 3.** Describe in detail the Archaeobotany with special reference to phytoliths and palynological studies. **8**
- OR**
- Write notes on:
- a) Palaeogeography and palaeoclimatology. **4**
- b) Plant and animal interactions correlation. **4**
- 4.** Describe the integration of remote sensing and GIS techniques and its application in geological sciences. **8**
- OR**
- Write notes on
- a) Principles and application of GPS. **4**
- b) Concept of Parataxa and Eutaxa. **4**
- 5.** Write short notes on:
- a) Fossil algae **2**
- b) Coal **2**
- c) Paleofloristics. **2**
- d) Nannofossils. **2**
