



## M.Sc. IV Semester Degree Examination, Sept./Oct. - 2024

### APPLIED GEOLOGY

#### Petroleum Geology

#### (NEP)

Time : 3 Hours

Maximum Marks : 70

**Note :** Answer **any five** of the following questions, each question carries **equal** marks.

1. Explain the following : 14
  - (a) Components of hydrocarbons
  - (b) Merits and demerits of hydrocarbons theories
2. Add a note on : 14
  - (a) Migration in petroleum geology
  - (b) Petroleum traps
3. Answer the following : 14
  - (a) Types of logging methods
  - (b) Petroleum drillings
4. Discuss the following : 14
  - (a) Electrical logs
  - (b) Gamma and neutron logs
5. Write a note on : 14
  - (a) Oil rigs
  - (b) Krishna and Godavari hydrocarbon deposits
6. Explain the following : 14
  - (a) Hydrocarbon deposits of Assam
  - (b) Cambay basin
7. Discuss the following : 14
  - (a) Oil and gas fields
  - (b) Seismic exploration methods
8. Write a short note on : 14
  - (a) Geo-botanical prospecting
  - (b) Petroleum geology
  - (c) India hydrocarbon deposits

