



M.Sc. IV Semester Degree Examination, October - 2023

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) Hydrocarbon components
 - (b) Theories of hydrocarbons
2. Add a note on : 14
 - (a) Petroleum system and migration
 - (b) Hydrocarbon accumulation
3. Answer the following : 14
 - (a) Oil and gas fields of India
 - (b) Drilling methods
4. Discuss the following : 14
 - (a) Petroliferous basins of India
 - (b) Bombay High basin
5. Write a note on : 14
 - (a) Types of traps
 - (b) Seismic exploration techniques
6. Explain the following : 14
 - (a) Geophysical prospecting
 - (b) Types of logging
7. Discuss the following : 14
 - (a) Drilling and mud parameters
 - (b) Hydrocarbon deposits
8. Write a short note on : 14
 - (a) Petroleum reservoir
 - (b) Petroleum geology
 - (c) Types of rigs

