

2007-2008
M. Sc.(III SEMESTER) EXAMINATION
(APPLIED GEOLOGY)
FUEL GEOLOGY (COAL, PETROL, ATOMIC MINERALS)
(GLM-9001)

Maximum Marks: 70

Duration: Two Hours

Answer all questions.

1. Discuss the use of coal petrology in solving geological problems and hydro-carbon exploration. 18

OR

Write explanatory notes on the following:

- (a) Carbonization of coal
(b) International coal classification.

2. Discuss in detail the primary and secondary migration of oil and gas. 18

OR

Write explanatory notes on the following:

- (a) Origin of Petroleum
(b) Well-site geology.

3. Discuss different types of well logs and their role in formation evaluation. 17

4. Describe various methods of prospecting of radioactive minerals and give a brief account of different productive geological horizons of India. 17