

2009-2010
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 application of coal petrology in solving various geological problems with special reference to hydrocarbon exploration. 18

OR

- 1'. Write explanatory notes on the following:

- (a) Origin of coal
(b) Coal Bed Methane

2. Discuss in detail primary and secondary migration of oil and gas and their evidence. 17

3. How various types of well-logs are applied for formation evaluation? Support your answer with suitable diagrams. 18

OR

- 3'. Describe the geology and hydrocarbon prospects of Cambay and Bombay offshore basins.
4. Give in brief the physico-chemical behaviour of Uranium and methods of prospecting of radioactive minerals. 17
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