

Roll No.

Total Pages : 2

CMDQ/M-24

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FUEL GEOLOGY

Paper-G-403

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Write short notes on the following :
 - (a) Vitrinite.
 - (b) CBM.
 - (c) Kerogen.
 - (d) Reservoir Rock.
 - (e) Radioactivity

UNIT-I

2. Discuss the process of Coalification.
3. Write notes on the following :
 - (a) Proximate analysis of Coal.
 - (b) Micro-lithotypes.

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UNIT-II

4. Give a detailed account on Geographical distribution of Coal.
5. Write brief on the following :
 - (a) Coal as a source of hydrocarbon.
 - (b) Utilization of coal and its impact on the Environment.

UNIT-III

6. Discuss the Major Oil and Gas fields of India.
7. Write brief notes on the following :
 - (a) Transformation of Organic matter.
 - (b) Metagenesis and Ketagenesis.

UNIT-IV

8. Discuss the modes of Occurrence of Uranium deposits of India.
9. Attempt the following :
 - (a) Nuclear power and its potential in India.
 - (b) Nuclear energy and its sources.

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