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24-GE-44

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

GEOLOGY

Paper - IV

[Fuel Geology]

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

Note : Candidate should write his/her Roll Number at the prescribed space on the question paper.
Student should not write anything on question paper.
Attempt five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 What is Coal ? Describe the proximate and ultimate analysis of coal.

OR

Write notes on -

- i) Ranks and varieties of coal.
- ii) Microscopic constituents of Coal.

Q. 2 Describe the classification of coal.

OR

Write notes on -

- i) Coal Briquetting.
- ii) Coal Washing.

Q. 3 Discuss the geology of Raniganj Coal Field.

OR

Write notes on -

- i) Coal Bed Methane.
- ii) Coal Fields of Madhya Pradesh.

Q. 4 Describe the origin, migration and accumulation of Petroleum.

OR

P.T.O.

Write notes on -

- i) Status oil and natural gas in India.
- ii) Oil fields of Assam.

Q. 5 Give an overview of mode of occurrence, association and geographical distribution of atomic minerals in India.

OR

Write notes on -

- i) Methods of prospecting of atomic minerals.
- ii) Nuclear Power Stations in India.

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