

Model Question Paper SET2
Paper : MJ 13 (FOSSIL FUEL)
Subject : Geology

Full Marks: 75

Time: 3 hours

Group A

(Short answer-type compulsory questions)

Q1. Fill in the blanks: [5x1=5]

- a) The major gaseous fossil fuel is _____
- b) Coal is mainly derived from ancient _____ material.
- c) The transformation of peat into coal is known as _____
- d) Jharia is a major _____ deposit of India.
- e) Gas hydrates are crystalline compounds containing gas molecules of _____

Q2. Define Renewable and non-renewable energy resources. [5]

Q3. Write a note on Coal bed methane (CBM). [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

Q4. Describe the major Gondwana coalfields of India and their geological distribution

Q5. Describe the characteristics and significance of source rocks, reservoir rocks and cap rocks.

Q6. Explain shale gas and discuss its geological significance

Q7. Describe the origin and evolution of coal from plant material to different coal ranks

Q8. Discuss the major environmental impacts associated with fossil-fuel extraction.

Q9. Describe gas hydrates and discuss their occurrence and significance as an unconventional energy resource.

Mr.Kalyan Roy
Assistant Professor
Department of Geology
P.P.K. College , Bundu