

Model Question Paper SET1
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) Gas hydrates are also known as _____ hydrates
- b) An impermeable rock that prevents petroleum from escaping is called a _____ rock.
- c) Mumbai High is an important _____ field of India.
- d) Solar energy is an example of a _____ energy resource.
- e) Fossil fuels are primarily formed from _____ matter.

Q2. Define fossil fuels and discuss major types with suitable examples. [5]

Q3. Define coal and describe coal rank classification. [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

Q4. Explain the origin of fossil fuels from biological and geological perspectives.

Q5. Explain the processes of peat formation and coalification.

Q6. Compare Gondwana and Tertiary coal deposits of India

Q7. Discuss the origin of petroleum and explain the biogenic and abiogenic theories.

Q8. Explain the origin, occurrence and extraction of Coalbed Methane (CBM).

Q9. Discuss the importance of mine reclamation in sustainable mining.

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