

Model Question Paper SET3

Paper : MJ9 (ECONOMIC AND MINING GEOLOGY)

Subject : Geology

Full Marks: 75

Time: 3 hours

Group A

(Short answer-type compulsory questions)

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

- a) The proportion of valuable metal present in an ore is called its _____
- b) The valuable mineral in an ore deposit is known as the _____ mineral
- c) The chief ore mineral of chromium is _____
- d) Jharia is one of the major _____ fields of India
- e) Limestone is the principal raw material for the manufacture of _____.

Q2. Define ore mineral and gangue. What is tenor of ore? [5]

Q3. Write a short note on strategic, critical and essential minerals . [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

- Q4. Explain the hydrothermal process of ore formation and classify hydrothermal deposits.
- Q5. Explain the hydrothermal process of ore formation and classify hydrothermal deposits.
- Q6. Explain the occurrence, uses and distribution of chromite in India.
- Q7. Explain the occurrence and uses of minerals used in the cement industry
- Q8. Discuss mining hazards and safety measures in detail.
- Q9. Describe sedimentary and residual concentration processes of ore formation.

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