

IAS Mains Geology 1996

Paper II

Section A

1. Write notes on any three of the following in about 200 words each:
 - a. Isomorphism
 - b. Space-lattices
 - c. Crystallographic notation
 - d. AEM diagram
2. Describe Garnet group of minerals.
3. Summarize the behaviour of light in biaxial crystals.
4. Give an account of the classification of igneous rocks.

Section B

5. Write notes on any three of the following in about 200 words each:
 - a. Magnetic methods of ore dressing
 - b. Atomic minerals
 - c. Guides to ore deposits
 - d. Open stopes
6. Give an account of the chromite deposits of India.
7. Describe geophysical methods of exploration.
8. Briefly discuss application of geological knowledge in various engineering works.