

IAS Mains Geology 1997

Paper II

Section A

1. Write notes on any three of the following in about 200 words each:
 - a. Stereographic projection
 - b. Rlymorphism
 - c. Angle of extinction
 - d. Quartz Wedge and its applications
2. Describe Amphiboles. Add a note on their occurrence and alteration.
3. Give a comprehensive account of structural classification of Silicates.
4. Discuss the processes of Magmatic differentiation. Cite suitable examples.

Section B

5. Write notes on any three of the following in about 200 words each:
 - a. Assimilation
 - b. Structures of Sedimentary rocks
 - c. ACF diagrams
 - d. Ore dressing
6. Give a brief account of Copper deposits of India.
7. Discuss classifications of Sedimentary rocks. Which one, in your opinion, is most suitable?
8. Give a brief critical account of geological knowledge as applied in the construction of Dams Tunnels.