

IAS Mains Geology 1991

Paper I

Section A

1. Explain any three of the following in about 200 words each:
 - a. Interior of the earth
 - b. Sea-floor spreading
 - c. Petrofabric analysis
 - d. Principle of isostasy
2. Discuss the role of running water as an agent of erosion and deposition. Describe some important geomorphic features produced by these processes.
3. What kind of mountain are the Himalayas: Discuss how the Himalayas might have originated.
4. Describe the common planar and linear structures found nature. Discuss their genetic significance.

Section B

5. Write notes on any three of the following in about 200 words each
 - a. Pleistocene Glaciation
 - b. Life during the Vindhyan times
 - c. Modes of preservation of fossils
 - d. Age of the Deccan traps
6. Describe the morphological features of the brachiopods. Name five important brachiopod fossils from Indian formation.
7. Give an account of animal life during the Siwalik times.
8. Briefly discuss the stratigraphy of the Caddapah Group of South India.