

GEOLOGY

(Paper II)

Time Allowed : Three Hours

Maximum Marks : 300

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two Sections.

Candidate has to attempt FIVE questions in all.

Question Nos. 1 and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each Section.

All questions carry equal marks.

Wherever any assumptions are made for answering a question, they must be clearly indicated.

Word limit in questions, wherever specified, should be adhered to.

SECTION 'A'

1. Write notes on any three of the following in about 200 words each:
 - (a) Stereographic projection
 - (b) Polymorphism
 - (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 and Tunnels.