

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) 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.