Civil Services (Main) Examination, 1995

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)** Indicatrix
- **(b)** Monoclinic Crystal Symmetry
- **(c)** Hardness of minerals
- **(d)** Metamorphic grades

2. What is stereographic projection? Describe with example, its use to represent crystal symmetry.

3. Describe Plagioclase felspars and their alteration products.

4. Discuss the problem of ‘granites and granites’.

SECTION 'B'

5. Write notes on any three of the following in about 200 words each:

- **(a)** Gossans
- **(b)** Mucking
- **(c)** Gravity methods of ore dressing
- **(d)** Water table

6. Give an account of Metallogenetic Epochs.

7. Describe geological considerations in Tunnelling.

8. Give a brief account of coal deposits of India.

English version compiled from published transcriptions and cross-checked across sources; not a facsimile of the official UPSC question paper.

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