

Roll No.

Total Pages : 3

CMDQ/M-24

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STRATIGRAPHY

Paper–GT–601

Time Allowed : 3 Hours]

[Maximum Marks : 100

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Explain the following in brief : 5×4=20
- (a) Principle of cross –cutting relations.
 - (b) Scope of correlation.
 - (c) Characteristics of a Formation.
 - (d) Deccan traps and their age.

UNIT–I

2. Define and discuss the Geological Time Scale. 20
3. Write short notes on any **two** of the following :
- (a) Importance of Biostratigraphy.

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(b) Principle of Uniformitarianism.

(c) Principle of Superposition. 2×10=20

UNIT–II

4. Describe briefly various types of Stratigraphic contacts. 20
5. Write short notes on any **two** of the following :
- (a) Lithological correlation.
 - (b) Biostratigraphic correlation.
 - (c) Chronostratigraphic correlation. 2×10=20

UNIT–III

6. What is chronostratigraphy? Describe various chronostratigraphic units. 20
7. Write detailed notes on any **two** of the following :
- (a) Biostratigraphy.
 - (b) Highstand System Tract.
 - (c) Geochronologic units. 2×10=20

UNIT–IV

8. Classify and describe the stratigraphy of Siwalik Group of India. 20

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9. Write short notes on any **two** of the following :

(a) Lower Vindhyaans.

(b) Lower Gondwana and its significance.

(c) Cuddapah Supergroup. $2 \times 10 = 20$