

Roll No.

Total Pages : 2

CMDQ/D-23

5212

SEDIMENTOLOGY

Paper-GT-504

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. Answer the following briefly :

- (a) Matrix.
- (b) Sand
- (c) Wacke.
- (d) Lacustrine.
- (e) Arkose.

UNIT-I

2. Describe the classification of sandstones.

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

- (a) Intra-formational conglomerate.
- (b) Placer sands.
- (c) Cementation.

UNIT-II

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

- (a) Limestone.
- (b) Intra micrite.
- (c) Montmorillonite.

5. Describe the different types of carbonate rocks.

UNIT-III

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

- (a) Armoured mud balls.
- (b) Sediment maturity.
- (c) Paleocurrents.

7. Describe in brief the process of lithification and diagenesis.

UNIT-IV

8. Discuss the characteristics of fluvial continental sedimentary environment.

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

- (a) Aeolian deposits.
- (b) Fore-arc basin.
- (c) Stromatolites.