

Roll No.

Total Pages : 2

CMDQ/D-23

5220

**ADVANCED STRATIGRAPHY,
PALEOGEOGRAPHY & PALEOECOLOGY**

Paper–GT–902

Time allowed : 3 Hours]

[Maximum Marks : 100

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

Compulsory Question

1. Write short notes on the following:
 - (a) Biozones
 - (b) Event Stratigraphy
 - (c) Glacial cycles
 - (d) Subathu Formation.

UNIT–I

2. What is Magnetostratigraphy? Discuss in details.
3. Write notes on the following:
 - (a) Controls on development of Stratigraphic records.
 - (b) Pedostratigraphy.

UNIT–II

4. What is Sequence Stratigraphy? Discuss in brief.
5. Write brief on the followings:
 - (a) Global Geo-events
 - (b) Seismic stratigraphy.

UNIT–III

6. Discuss the palaeoenvironmental reconstruction.
7. Write brief notes on the following:
 - (a) Evolutionary changes in fauna and flora with environments.
 - (b) Factors controlling geographic distribution of species.

UNIT–IV

8. Discuss the stratigraphic succession of Gondwana sequence.
9. Write brief on the followings:
 - (a) Economic significance of Gondwana sequence of India.
 - (b) Climatic vicissitudes during the deposition of Gondwana.