

Roll No.

Total Pages : 2

CMDQ/D-23

5200

**STRATIGRAPHY PALAEOGEOGRAPHY &
PALAEOECOLOGY**

Paper–G–302

Time allowed : 3 Hours]

[Maximum Marks : 75

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

Compulsory Questions

1. Explain the following in brief:
 - (i) Event Stratigraphy. 4
 - (ii) Bagh Formation. 4
 - (iii) Palaeoecological analysis. 4
 - (iv) Kasauli Formation. 3

UNIT-I

2. Define a Cycle and describe the details of Cyclostratigraphy. 15
3. Write detailed notes on any two of the following:
 - (a) Pedostratigraphy. 7½
 - (b) Chronostratigraphic units. 7½
 - (c) Sequence stratigraphy. 7½

UNIT-II

4. Give the classification, stratigraphic succession and distribution of Vindhyan Supergroup. 15
5. Write explanatory notes on any two of the following:
 - (a) *Gangmopteris* beds of Kashmir and their stratigraphic position. 7½
 - (b) Dharwar Supergroup. 7½
 - (c) Palaeozoic succession of Spiti. 7½

UNIT-III

6. Discuss the classification, stratigraphy, distribution and economic significance of Gondwana Sequence. 15
7. Write short notes on any two of the following:
 - (a) Indogangetic Alluvial Plains. 7½
 - (b) Palaeogene rocks of Shimla Himalaya. 7½
 - (c) Barail Group and its economic importance. 7½

UNIT-IV

8. Plot and discuss the palaeogeographic reconstruction of India during Gondwana time. 15
9. Write short notes on any two of the following:
 - (a) Palaeoecological analysis of foraminifers. 7½
 - (b) Neogene palaeogeography. 7½
 - (c) Palaeoecology of Ostracodes. 7½