

Roll No.

Total Pages : 2

CMDE/M-24

4664

MORPHOMETRIC ANALYSIS (THEORY)

Paper–M–GEO–205

Time Allowed : 2½ Hours]

[Maximum Marks : 35

Note : Attempt **four** questions in all, selecting at least **one** question from each Unit. Question No. **1** is compulsory.

Compulsory Question

1. Write short notes on the following (not more than 50 words) : 8
 - (a) Amorphous drainage pattern.
 - (b) Break of slope.
 - (c) Ogive.
 - (d) Vertical exaggeration.

UNIT–I

2. Discuss various functional elements of topographical map interpretation. 9
3. Discuss various areal properties of the basin which are generally used for the recognition of Erosion surfaces by geomorphologists. 9
4. Assess the importance of Morphometry in the analysis of landforms. 9

UNIT–II

5. Illustrate the important methods used to depict the area-height relationship and comment on their significance in the analysis of landforms. 9
6. Discuss the method of percentage hypsometric curve and explain its application in geomorphological studies. 9
7. Appraisal of slope forms can be best explained by slope analysis techniques. Illustrate with examples. 9