

Roll No.

Total Pages : 2

CMDE/M-24

4660

GEOMORPHOLOGY

Paper–M–GEO–201

Time Allowed : 3 Hours]

[Maximum Marks : 70

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. Write short notes (not more than 50 words for each) on the following : 7×2=14
 - (a) Geomorphic Threshold.
 - (b) Cyclic erosion.
 - (c) Denudation.
 - (d) Sinkholes.
 - (e) End Moraine.
 - (f) Playa.
 - (g) Debris Slide.

UNIT-I

2. Define the Geomorphology and discuss how the recent changes in Geography have affected this field. 14
3. “It is believed that most Geomorphic landscapes are polygenetic in nature”. Evaluate the statement. 14

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UNIT-II

4. While discussing the evolution of Himalayas, show how this mountain chain is associated with the theory of plate tectonic ? 14
5. Compare and contrast the Slope decline and Slope replacement model of slope evolution. 14

UNIT-III

6. Define the term Denudation. How is weathering different from erosion? Defining chemical weathering, briefly explain the sub processes undertaken by Chemical weathering. 14
7. What role does the mass movement play in the denudation of the lands? List the evidence of Soil creep. What type of Mechanism causes Soil creep? 14

UNIT-IV

8. How are Glaciers formed? Along with suitable diagrams, discuss in detail the Erosional and Depositional work done and Landform produced by Glaciers. 14
9. Describe the different changes in the Geomorphic system caused by Urbanization. 14

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