

Total number of printed pages-3

14 (GGY-1) 1026

2023

GEOGRAPHY

Paper : GGY-1026

(Geomorphology)

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

UNIT-I

(Principles and Concepts in Geomorphology)

(Marks : 48)

Answer **any two** questions from the following :

16×2=32

1. Explain the concept, ideas and basic foundation of the Huttonian theory of uniformitarianism with adequate illustrations.

Contd.

2. Discuss the concept, principles and field of study of palaeogeomorphology with examples.
3. Explain with examples the techniques applied in geomorphological studies.

Answer any two questions from the following :

$8 \times 2 = 16$

4. State the system concept in geomorphology in terms of steady time, graded time and cyclic time with diagrams.
5. Present a discussion on the recent trends in geomorphology with suitable examples.
6. Elucidate the concept of threshold in the context of its some application areas in geomorphology.

UNIT-II

(Processes in Geomorphology)

(Marks : 32)

Answer Question No. 7 and any two from the rest.

7. Describe the actions and associated landforms developed due to aeolian processes with suitable diagrams. 16

Or

Explain the slope elements and their associated processes of an ideal slope profile with necessary diagrams.

8. Analyse the major techniques used in fluvio-geomorphic process study with suitable examples. 8
9. Discuss the various mass wasting processes in brief with examples. 8
10. Write short notes on the following :
4×2=8
 - (a) Impact of vegetation on the intensity of geomorphic processes
 - (b) Role of endogenetic processes in landform development