

Total number of printed pages-3

14 (GGY-1) 1026

2022

**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. While discussing the concepts and ideas of uniformitarianism, elucidate the concept 'Present is the key to the Past.'

8+8=16

Contd.

2. Explain the threshold concept and its application areas in geomorphology with suitable examples.  $4+12=16$
3. Discuss the techniques and their applications in the study of geomorphic processes.

*Answer any two questions from the following :*  
 $8 \times 2 = 16$

4. Briefly describe the history of development of geomorphic ideas.
5. Elaborate the concept of system applied in geomorphology with reference to steady state concept.  $5+3=8$
6. Briefly state the scope of palaeo-geomorphology and the techniques of palaeogeomorphological study.  $4+4=8$

## **UNIT-II**

### ***(Processes in Geomorphology)***

*(Marks : 32)*

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

7. Explain the various exogenetic forces with special focus on glacial processes.  $6+10=16$

**Or**

Present a discussion on the concept and genesis of morphogenetic regions of the world and state the geomorphic processes operating in *any one* of these regions.

2+6+8=16

8. Explain how climate and soils influence the intensities and magnitudes of geomorphic processes. 4+4=8
9. Describe with diagrams the slope forming processes operating on hill slopes.
10. Write short notes on the following : 4×2=8
- (a) Role of suddenly occurring forces on earth's surface modification
- (b) Relevance of study of environmental geomorphology