

Total number of printed pages-3

14 (SEM-1) GGY 1026

2024

**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*** of the following questions :

16×2=32

1. Discuss with examples the recent and emerging trends in Geomorphology. 16
2. Elucidate the principles and concept of threshold and its application areas in Geomorphology. 6+10=16

*Contd.*

3. Distinguish between theoretical and applied geomorphology and explain the expanding scope of applied geomorphology. 6+10=16

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

8×2=16

4. State the system concept in geomorphology and explain how geomorphological events are explain through system approach.

2+6=8

5. Discuss the meaning, scope and present-day relevance of environmental geomorphology.

2+3+3=8

6. Explain with examples why the catastrophic forces are still regarded as the significant modifier of geomorphic landscape.

## UNIT-II

### ***(Process in Geomorphology)***

(Marks : 32)

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

7. Illustrate with examples how the impacts of climate and vegetation cover govern the varying intensities of gemorphic processes in different landscapes. 8+8=16

**Or**

Explain with suitable diagrams the actions and resultant landforms developed due to glacial processes. 16

8. How do the morphogenetic regions originate? State with suitable examples. 8

9. Identify the different slope forms and elements on an ideal slope profile and briefly describe the geomorphic processes involved with their formations. 3+5=8

10. Write short notes on the following : 4×2=8

(a) Major techniques of fluvial process study with respect to river bank shifting.

(b) Endogenetic forces and associated processes.