

**April 2025**  
**B.A./B.Sc.**  
**Sixth Semester**  
**CORE – 13**  
**GEOGRAPHY**  
*Course Code: GGC 6.11*  
(Advanced Geomorphology)

*Total Mark: 70*  
*Time: 3 hours*

*Pass Mark: 28*

*Answer five questions, taking one from each unit.*

**UNIT-I**

- 1 Highlight some of the major contributions made by American and European schools to the development of geomorphology. 7+7=14
- 2 Write notes on recent trends in the development of geomorphology. Bring out some of the significant contributions made by Indian scholars to the development of geomorphology. 7+7=14

**UNIT-II**

- 3 “Geomorphic processes leave their distinctive imprints upon landforms and each geomorphic process develops its own characteristic assemblage of landforms.” Explain. 14
- 4 “Geologic structure is a dominant control factor in the evolution of landforms and is reflected in them.” Elucidate. 14

**UNIT-III**

- 5 Define drainage system. Explain major drainage systems of the world. 2+12=14
- 6 What is drainage pattern? Explain any four drainage patterns with suitable diagrams. 2+12=14

**UNIT-IV**

- 7 What do you mean by erosion? Explain normal cycle of erosion as propounded by W.M. Davis with suitable diagram. 2+12=14

- 8 What are geosynclines? Explain geosynclinal orogen theory of Kober. 2+12=14

### UNIT-V

- 9 Write a note on the application of geomorphology to settlement and road construction. 7+7=14
- 10 What do you mean by applied geomorphology? Explain how geomorphological knowledge can be help in environmental hazards management. 4+10=14
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