

2021
B.A./B.Sc.
Fifth Semester
CORE – 12
GEOLOGY
Course Code: GLC 5.21
(Geomorphology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. What are endogenic processes? Explain in brief. 14
2. Explain the following 7×2=14
 - (i) Aggradation process
 - (ii) Anthropogenic process

UNIT-II

3. Explain large scale mountain ranges with relation to Indian Himalaya. 14
4. Write short notes, along with neat sketch/diagram, on 7×2=14
 - (i) Hypsometric curve
 - (ii) Plate tectonic margins

UNIT-III

5. Define glacier and types. Give detail explanation on the various landforms created by glacial erosion. 4+10=14
6. Write notes on 7×2=14
 - (i) Process of sediment transport by wind
 - (ii) Landforms created in the young stage/upper course of river

UNIT-IV

7. Write in detail the record of the Quaternary Sea level change in relation to the Brunhes-Matuyama palaeomagnetic boundary. 14
8. Write notes on 7×2=14
- (i) Penck's model of landscape evolution
 - (ii) Types of drainage pattern

UNIT-V

9. With a neat sketch delineate the areas of the northern plains and explain how they are formed. Add note on the variation in the relief features of the northern plains. 7+7=14
10. Write notes on 7×2=14
- (i) Central Highlands
 - (ii) Andaman and Nicobar islands
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