

2023
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. Explain in brief the development of geomorphological thought. 14
2. How has geomorphology developed in recent years? Point out some of the major Indian contributions to the development of geomorphology. 7+7=14

UNIT-II

3. “The same physical processes and laws that operate today, operated throughout geological time, although not necessarily always with the same intensity as now”. 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 and describe two types each of sequent drainage systems and insequent drainage systems. 2+12=14
6. Define drainage patterns. Explain any four drainage patterns with suitable diagrams. 2+12=14

UNIT-IV

7. Explain normal cycle of erosion as propounded by W.M. Davis or Penck along with suitable diagram. 14
8. Elucidate in detail the dynamic equilibrium theory of J.T. Hack. 14

UNIT-V

9. What is applied geomorphology? Explain how geomorphologic knowledge can be useful in planning for settlement, particularly urbanization. 4+10=14
10. What is applied geomorphology? How does geomorphological knowledge help in exploring minerals? 4+10=14
