

2022
B.A./B.Sc.
Sixth Semester
CORE - 13
GEOGRAPHY
Course Code: GGC 6.11
(Advanced Geomorphology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Explain in brief the contributions of European school or American school to the development of geomorphology. 14
2. Bring out some of the major contributions made by Indian geographer to the development of geomorphology. 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. "Geomorphic processes leave their distinctive imprints upon landforms and each geomorphic process develops its own characteristic assemblage of landforms". Elucidate. 14

UNIT-III

5. (a) Distinguish between drainage system and drainage pattern with examples. 4

(b) Give an account of the formation of superimposed drainage system. 10

6. Define drainage patterns. Explain any four drainage patterns with suitable diagrams. 2+12=14

UNIT-IV

7. Present normal cycle of erosion as propounded by W.M Davis or Penck along with suitable diagram. 14

8. Write a note on dynamic theory of J.T. Hack. 14

UNIT-V

9. How geomorphological knowledge can be helpful in engineering works, particularly road construction. 14

10. Write a note on application of geomorphology in hazard management. 14
