2024
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 the evolution of geomorphology during early ages. Bring out some of the significant contributions made by either American School or European School to the development of geomorphology. 7+7=14

2. Highlight the recent trends in the development of geomorphology. Point out some of the major Indian contributions to the development of geomorphology. 6+8=14

UNIT–II

3. Explain the concept, "The same physical processes and laws that operate today, operated throughout geological time, although not necessarily always with the same intensity as now". 14

4. "Geologic processes leave their distinctive imprints upon landforms and each geomorphic process develops its own characteristic assemblage of landforms". Elucidate. 14

UNIT–III

5. What is meant by the term sequent and insequent drainage systems? Describe them briefly. 4+10=14

6. Define drainage patterns. Explain different types of drainage patterns with suitable diagrams. 2+12=14

UNIT–IV

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

8. What is geosyncline? Explain geosynclinal orogen theory of Kober. 2+12=14

UNIT–V

9. What is applied geomorphology? How geomorphologic knowledge can be useful in engineering works particularly road construction? 4+10=14

10. What is applied geomorphology? Write notes on geomorphology and mineral exploration. 4+10=14
