

October 2025
B.A./B.Sc.
Third Semester
MINOR – 3
GEOGRAPHY
Course Code: GGN 3.11
(Earth System Dynamic)

Total Mark: 50
Time: 2 hours

Pass Mark: 20

I. Answer three questions, taking one from each unit.

UNIT-I

1. Discuss the continental drift theory. Support with a suitable diagram.
10+2=12
2. Explain the interactions among the atmosphere, hydrosphere, biosphere, and lithosphere with suitable examples. 12

UNIT-II

3. Discuss the causes and consequences of ozone layer depletion and weather variations. 6+6=12
4. Discuss sea level rise and changing ecosystem. 12

UNIT-III

5. Explain the concept of land-climate interactions and climatic zones of India. Support with a suitable diagram. 10+2=12
6. Describe the physical science basis of climate change and analyse its natural and anthropogenic causes. 12

II. Write notes on any two of the following: 7×2=14

7. Geological epochs and their significance in tracing the evolution of life on Earth
8. Biogeochemical cycles
9. Geoinformatics applications