

2022
B.A./B.Sc.
Third Semester
CORE – 5
GEOGRAPHY
Course Code: GGC 3.11
(Climatology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. What is climatology? Elaborate its significance. 4+10=14
2. Mention and explain the elements of weather and climate. 2+12=14

UNIT-II

3. Describe the mechanism of the heat budget with a suitable diagram. 12+2=14
4. Explain how temperature is distributed vertically. How does temperature inversion influence the atmosphere and weather? 12+2=14

UNIT-III

5. Discuss in detail the major pressure belts of the world with suitable diagram. 12+2=14
6. What are planetary winds? Describe the main types of planetary winds. 2+12=14

UNIT-IV

7. What is frontogenesis? Describe in detail the main types of fronts. 2+12=14

8. What are tropical cyclones and how they are formed? Examine their impacts on human lives. 2+10+2=14

UNIT-V

9. Describe Koppen's classification of world climate. 14
10. Discuss the role and response of man in global climate change. 14
-