

2023
B.A./B.Sc.
Third Semester
CORE – 5
GEOGRAPHY
Course Code: GGC 3.11
(Climatology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Distinguish between weather and climate. What are the different elements of weather and climate? Explain them. 3+2+9=14
2. Explain in detail the structure of the atmosphere. Illustrate with a neat diagram. 11+3=14

UNIT-II

3. What do you understand by insolation? Explain Earth's heat budget with the help of a diagram. 2+12=14
4. Describe the factors that control temperature distribution on Earth's surface. How is temperature distributed horizontally? 8+6=14

UNIT-III

5. Define pressure. Explain the pressure belts of the Earth with the help of a diagram. 2+10+3=14
6. What is periodic wind? Give an account on the periodic winds. 2+12=14

UNIT-IV

7. Define an air mass. Classify and explain the different types of air masses. 2+12=14

8. Explain how temperate cyclones are formed. 14

UNIT-V

9. Explain the basic principles underlying the Köppen climate system.
Identify and explain briefly the five major climate groups designated by Köppen. 4+10=14
10. Elaborate on the role played by man in influencing global climate change. 14
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