

**B.A./ B.Sc Part- II Honours Examination 2020**

**Subject – Geography**

**Paper – III**

**Full Marks – 50**

**Module V : Climatology**

**Module VI : Soil and Bio-Geography**

**Category - A**

Answer any **three** questions (each within 600 words)

10x3

1. What are the different layers of atmosphere? Discuss the composition and temperature variations in these layers.
2. Discuss the origin and characteristics of tropical cyclone.
3. Explain monsoon mechanism with reference to Indian subcontinent. How far jet stream influence Indian monsoon?
4. How the natural process of soil erosion accelerated by anthropogenic factors? Suggest various measures of soil conservation.
5. Define biome? Analyse the characteristics of taiga biome?

**Category -B**

Answer any **five** questions (each within 150 words).

4x5

6. Discuss the heat budget of the earth's atmosphere mentioning the importance of atmospheric window.
7. What is inversion of temperature? What are its different types?
8. Distinguish between As and Aw climate.
9. Why are hot deserts located in the western part of the continents in tropical region?
10. Differentiate food chain from food web.
11. Explain the importance of pH on soil fertility.
12. What is zonal, azonal and intrazonal soil?
13. What are the effects of deforestation on biodiversity?