

B.Sc. 5th Semester (Honours) Examination- 2021
FORESTRY

Course ID: 53502

Course Code: SH/FST/NR 3109

Course Title: **Climate Science**

Time: 2 Hours

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

- I. Write a definition or one sentence answer any 10 of the following 1x10=10
1. Weather
 2. Snow
 3. Sleet
 4. Isohyets
 5. Drought
 6. Lapse rate
 7. Relative humidity
 8. Specific humidity
 9. Green house gases
 10. Seat of photochemical reactions
 11. PET
 12. Agricultural drought
 13. soil temperature
 14. Humidity
 15. GHG stands for
- II. Write short note/ define any 10 of the following 2x10 =20
1. Climate
 2. Composition of Atmosphere
 3. Air temperature duration of light
 4. Difference between weather and climate
 5. Global warming
 6. Adiabatic lapse rate
 7. Climate change
 8. Evapo-transpiration
 9. Cirrocumulus (Cc)
 10. NATCOM
 11. Climate variability
 12. Acid Rain
 13. Frost
 14. Cloud blast
 15. Cyclone

III. Write down in brief any four(4) of the following

5x4=20

1. Describe in detail about transpiration, Evapo-transpiration and effects of both the process related to plants.
2. Forest and UN convention of Climate change
3. Describe climate and write in detail about various factors affecting climate.
4. Describe Air temperature and factors affecting Air Temperature.
5. Describe about agro-climatic Zones of India.
6. Importance of forest in climate change