**MA SEMESTER II (SESSION: 2019-2021)**

**MODEL QUESTIONS (END SEM EXAM – JULY/ AUG 2020)**

 **(GEO 201) ADVANCED CLIMATOLOGY**

Following is a set of ten Model Questions Students are Required to go through it carefully keeping in mind the upcoming End Semester Exam Scheduled in July/ Aug.

**There would be a two hour exam with students required to answer two long questions and three short notes**.

**LONG ANSWER TYPE QUESTIONS**

1. Discuss in detail the composition and Structure of Atmosphere with help of diagrams and sketches.
2. What are the Cyclones? Explain the origin and Mechanism of Temperate and Tropical Cyclone. Give suitable diagrams
3. What do you understand by the Air Mass? Present the classification and types of Air Masses. Discuss the weather phenomena associated with the movement of the air mass.
4. Differentiate between Koppen’s and Thornwait’s Climatic Classification. Present the scheme of Climatic Classification by Koppen .

**SHORT NOTES**

1. **Stability and Instability of the Atmosphere**
2. **Explain Stefans- Boltzman and Wein’s Law**
3. **Adiabatic Temperature Changes**
4. **Global Warming – Evidences and Causes**
5. **Jet Streams**
6. **Cloud Burst : An Atmospheric Hazard**