

Roll No. ....

Total No. of Questions : 7]  
(2041)

[Total No. of Printed Pages : 2

**UG (CBCS) IIIrd Year (Annual) Examination**

**2534**

**B.Sc. PHYSICS**

(Weather Forecasting)

(SEC-4)

Paper : PHYS 309 TH

**Time : 3 Hours]**

**[Maximum Marks : 50**

*Note :- Attempt any five questions. All questions carry equal marks.*

1. Describe the working and uses of the following thermometers :

(i) Dry bulb thermometer

(ii) Wet bulb thermometer

(iii) Maximum thermometer

(iv) Minimum thermometer

(v) Thermograph

**CH-362**

( 1 )

Turn Over

2. What do you understand by the term 'Gradient Wind' ? Describe the formation of cyclonic and anticyclonic flow in the northern hemisphere.
3. Discuss about the *three* basic mechanisms of energy transfer. Which of the *three* is the least important meteorologically ?
4. Discuss in detail the classification of clouds according to their height and their further subdivisions based on their form or shape.
5. Define Tornado. Describe their formation and different types.
6. What do you understand by Climate Change ? What are the causes of climate change ? Discuss in detail.
7. What is Weather Forecasting ? Briefly discuss its historical background upto the current state of knowledge.