

POST-GRADUATE COURSE

Term End Examination — June, 2017

**GEOGRAPHY**  
**Paper – II A**  
**( Climatology )**

**Time : 2 Hours**

**Full Marks : 50**

( Weightage of Marks : 80% )

*Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.*

**Section – A**

Answer *any three* questions : 10 × 3 = 30

1. Examine the relationship between climatology and meteorology. What is applied climatology ?
2. What do you mean by climatic resource ? Explain climatic hazards.
3. What is weather forecasting ? Explain the different methods of weather forecasting.
4. Describe with diagram the polar front theory of mid-latitude cyclones. Mention the weather associated with a warm front.
5. Highlight the genesis of ENSO phenomena and discuss their impact on biosphere.

6. "Global warming is a human induced climatic change." – Explain. Mention the predicted consequences of global warming.

**Section B**

7. Answer any *five* questions : 4 × 5 = 20
  - a) Differentiate micro-climate from macro-climate.
  - b) What are the evidences of climate change ?
  - c) State about the origin and development of thunderstorm.
  - d) Explain the mechanism of nor'westers.
  - e) Explain the structure of tropical cyclone.
  - f) What is global water balance ?
  - g) What do you mean by Pleistocene glaciation ?
  - h) What is Pangaea ?
  - i) Relate climate change to the change in the eccentricity of the earth's orbit.
  - j) Distinguish between climate change and climatic cycle.