

POST-GRADUATE COURSE

Term End Examination — December, 2014/June, 2015

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 : $10 \times 3 = 30$

1. Describe the different approaches in climatic study. Differentiate macro-climate from micro-climate. $6 + 4$
2. Discuss the concepts of climatic resource and climatic hazard. What is hydrological drought ? $8 + 2$
3. Classify weather forecasting based on time scale. Elucidate the techniques for short range weather forecasting. $2 + 8$
4. Bring out the salient features of a tornado. Why is it often referred to as twister ? $8 + 2$

5. Describe the life cycle of mid-latitude cyclone and draw sketches to illustrate your answer. $8 + 2$
6. Discuss the concepts of climate change and climatic cycle. What is interglacial period ? $8 + 2$

Section B

7. Answer *any five* questions : $4 \times 5 = 20$
 - a) Bring out the essence of meteorology.
 - b) What is applied climatology ?
 - c) What is agricultural drought ?
 - d) Discuss the weather associated with a warm front.
 - e) What are the different types of anticyclone ?
 - f) What is the impact of EL Nino on biosphere ?
 - g) What is Southern Oscillation Index ?
 - h) Highlight the evidences of global warming.
 - i) Distinguish between Anafront and Katafront.
 - j) Mention the effects of greenhouse gases on global warming.