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SEAT No. :

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**P1614**

**[5228]-33**

**M.A./M.Sc.**

**GEOGRAPHY**

**Gg-311 : Applied Climatology  
(2008 Pattern) (Semester-III)**

*Time : 3 Hours]*

*[Max. Marks : 80*

*Instructions to the candidates:*

- 1) *Attempt any four questions.*
- 2) *All questions carry equal marks.*
- 3) *Use of map stencils is allowed.*

**Q1)** Give a brief account of development of applied Climatology and explain climate impact assessment.

**Q2)** Explain radiation laws. Describe different instruments used to measure radiation.

**Q3)** Discuss in detail the relationship between evaporation and evapo-transpiration with suitable examples. Explain any two instruments to measure evapo-transpiration.

**Q4)** Explain nature of urban climate and its impact on GEC.

**Q5)** Explain the effects of climate on land and water transport.

**Q6)** Give an account of reconstruction of past Climate with reference to Plate tectonics.

**Q7)** Write notes on any two:

- a) Climate and soil management
- b) Remote sensing in meteorological monitoring
- c) Ocean floor sediments

