

Total No. of Questions : 6]

SEAT No. :

[Total No. of Pages : 2

**P1656**

[5228]-303

M.A./M.Sc.

**GEOGRAPHY**

**Gg-311 : Applied Climatology**

**(2013 Pattern) (Semester-III) (Credit System)**

*Time : 2½ Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q. 1 to Q. 4.*
- 2) *Questions No. 5 and 6 are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of map stencils is allowed.*
- 5) *Draw figures/maps wherever necessary.*

**Q1)** a) What do you mean by climate Impact Assessment? [2]

b) Discuss the impact of climate on livestock. [4]

c) Explain the various forms of precipitation. [4]

**Q2)** a) Name the instruments used to measure and record temperature. [2]

b) Discuss the impact of micro-meteorological changes and behaviour of pests and diseases on agriculture. [4]

c) Explain the impact of evaporation on soil plant relationship. [4]

**Q3)** a) Define Remote Sensing. [2]

b) Explain the nature of urban climates. [4]

c) Discuss the traction ability. [4]

**Q4)** a) What is urban heat island? [2]

b) Discuss the impact of climate on clothing. [4]

c) Describe the various climatic variables affecting construction operations. [4]

**P.T.O.**

**Q5) a)** Explain the effect of climate on air transport. **[4]**

b) Discuss the urban air pollution problems. **[5]**

**Q6) a)** Explain the role of remote sensing in canopy transpiration and crop stress detection. **[4]**

b) Discuss the external causes of climate change. **[5]**

