

**B.A. (Honours) Semester-III Examination, 2014**

**Geography  
Paper - V  
(Climatology)**

**Time: 3 Hours**

**Full Marks: 40**

*Questions are of value as indicated in the margin.*

Answer *any one* question from each unit.

**Unit - I**

**(Atmosphere and Atmospheric Temperature)**

1. Differentiate weather and climate. What is inversion of temperature? Discuss the various types of temperature inversion with suitable examples. 2+2+10=14
2. What are the factors affecting insolation? Why does horizontal distribution of temperature vary over the earth surface? Substantiate your answer with suitable maps and diagrams. 5+9=14

**Unit - II**

**(Atmospheric Pressure, Precipitation and Monsoons)**

3. Define the different measures of humidity. What is condensation? How is it related to humidity? 9+2+2=13
4. Describe with reasons how different types of planetary winds develop. Write about two different situations where tow local winds develop. 9+4=13

**Unit - III**

**(Classification of Climate and Climate Change)**

5. Describe Koppen's scheme of classification of world climates. 13
  6. What is global warming? What are the causes and consequences of global warming? Substantiate your answer with examples from developed and developing countries. 3+10=13
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