Paper Code: AS 105	Roll No.										

B.Tech.
(SEM I) ODD SEMESTER EXAMINATION 2015-16
ENVIRONMENT & ECOLOGY

[Time: 2 hrs.]   **[Max. Marks: 50]**

Note- *Attempt All Questions. First question of 14 marks and other three questions of 12 marks each.*

Q.1.   Attempt any **TWO** parts of the following: **[7x2=14]**

   (a)   What is an environment? Enumerate various segments of environment. How would you broadly divide the major layers or regions of the atmosphere? States their respective altitudes and temperature ranges.
   (b)   What is an ecosystem? Classify on the basis of energy sources. Justify the statement "Balanced Ecosystems are not static; they are dynamic system in time and space".
   (c)   What are natural resources? Differentiate between perpetual, renewable and non-renewable natural resources.

Q.2.   Attempt any **TWO** parts of the following: **[6x2=12]**

   (a)   Define Environmental Impact Assessment. Enumerate and describe the various steps involved in the EIA process/methodology.
   (b)   What is sustainable development? Discuss the concepts of sustainable development.
   (c)   'Industrialization is essential to the development of a country, but is the major cause of environmental problems". Comment on it.

Q.3.   Attempt any **TWO** parts of the following: **[6x2=12]**

   (a)   Define the term environmental pollution. What is water pollution? Classify and discuss the water borne and water induced diseases.
   (b)   Discuss the phenomenon of 'Green House Effect'. What are its effects? What remedial measures you suggest?
   (c)   Differentiate between clean rain and acid rain. Name the principal species of acid rain. How they are formed? What are their effects?

Q.4.   Attempt any **TWO** parts of the following: **[6x2=12]**

   (a)   Briefly discuss the salient features of the Environmental (Protection) Act. 1986.
   (b)   Discuss the role of NGOs in environmental protection. Write short notes on following NGOs: Greenpeace and Centre for Science & Environment.
   (c)   Discuss the strategy and policy adopted by GOI for the development of women education. Briefly describe the various schemes launched for women education in India.