

AS-1176

**SECOND SEMESTER  
END SEMESTER EXAMINATION**

**B.TECH. (Group-A)  
MAY-2015**

**EN-112 ENVIRONMENTAL SCIENCE**

**Time: 3 Hours**

**Max. Marks: 70**

Note: Attempt any five questions  
All the questions carry equal marks  
Assume suitable missing data, if any

1. a) Define global warming. Briefly discuss environmental effects of global warming.  
b) Discuss the control equipments used to contain particulate matter.
2. a) Describe the physical characteristics and composition of different layers of earth.  
b) Discuss the important characteristics of drinking water.
3. a) Discuss structural and functional characteristics of the forest ecosystem.  
b) Differentiate between conventional and non-conventional sources of energy.
4. a) Discuss the global distribution of grassland ecosystems.  
b) Discuss the control measures for noise pollution.
5. Write short notes on
  - a) Carbon Cycle
  - b) Ozone hole
- x 6. a) Briefly explain various aspects of biomass energy and its environmental demerits.  
b) Differentiate between primary and secondary air pollutants.
- x 7. a) Describe the challenges associated with solid waste management.  
b) Discuss various models of energy flow in an ecosystem.