

Code No: 53013

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD****B.Tech II Year I Semester Examinations, May/June - 2015****ENVIRONMENTAL STUDIES****(Common to ME, ECE, CHEM, ETM, AE, MIE)****Time: 3 hours****Max. Marks: 75****Answer any five questions  
All questions carry equal marks**

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- 1.a) What is the significance of ecological pyramids?  
b) Explain about bio magnification. Give an example for it. [7+8]
- 2.a) Discuss about induced landslides. Give an example for it.  
b) Give the factors responsible for land degradation. [7+8]
- 3.a) Write about the values of biotic resources.  
b) Discuss about genetic diversity. [7+8]
- 4.a) What is nuclear radiation? List its sources and impacts.  
b) Write about the sources of noise pollution in urban environment and methods to control it. [7+8]
- 5.a) What are the chemical reactions responsible for ozone depletion?  
b) Discuss about the present status of Kyoto Protocol. [7+8]
- 6.a) Give the rain water harvest structure.  
b) How is GIS and Remote sensing useful in carrying out EIA studies? [7+8]
- 7.a) What are the biomedical waste management rules?  
b) What is the responsibility of State PCB's with respect to EPA Act and e- waste management rules? [7+8]
- 8.a) Give the importance of IT in environmental management.  
b) How do economics play a role in environmental management? [7+8]