

Code No: 53013

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year I Semester Examinations, February/March - 2016

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) Describe the nitrogen cycle.  
b) What is the carrying capacity of an ecosystem? [7+8]
- 2.a) Give both natural and manmade reasons for droughts and floods.  
b) Discuss about waste to energy concept. [8+7]
- 3.a) Give both advantages and disadvantages for ex-situ conservation of biodiversity.  
b) What are the different food and fodder resources in our country? Explain. [8+7]
- 4.a) Discuss in detail the impacts of pollutants on soil.  
b) Discuss in detail the different steps involved in sewage treatment plants. [7+8]
- 5.a) Discuss in detail hazardous waste sources in urban environment.  
b) What is climate change and write its impacts? [8+7]
- 6.a) Write about the different types of environmental impacts.  
b) What is the necessity of acquiring base line data collection for carrying out EIA? [7+8]
- 7.a) Give the hazardous waste management rules.  
b) Describe the important features of the Forest Act. [7+8]
- 8.a) Why should we practice environmental ethics?  
b) Give the concept of green building. [8+7]

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