

R09

Code No: 54004

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year II Semester Examinations, May - 2015

ENVIRONMENTAL STUDIES

(Common to CE, CSE, EIE, BME, IT, MCT, MMT, ECM, BT, AME, PTE, CEE)

Time: 3 hours

Max. Marks: 75

Answer any five questions  
All questions carry equal marks

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- 1.a) Define the term Ecosystem. Write about the classification of Ecosystems.  
b) Explain carbon and nitrogen cycles in Ecosystems. [7+8]
- 2.a) Explain the impacts of mining on Environment.  
b) What are the various sources of water? Distinguish between surface water quality and groundwater quality. [7+8]
- 3.a) Define genetic, species and ecosystem diversity.  
b) Explain the values of biodiversity. [7+8]
4. Write short notes on:  
a) Automobile pollution.  
b) Impacts of modern agriculture.  
c) Occupational health hazards in mining. [5+5+5]
- 5.a) Explain green house effect.  
b) What are the causes and consequences of deforestation? [7+8]
- 6.a) What is EIA? How is it accomplished?  
b) With neat sketch, explain rain water harvesting. [7+8]
7. Explain Bio-medical waste management Act, 1998. [15]
8. What is sustainable development? What are the strategies for sustainable development? [15]

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