

**R09**

Code No: 53013

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.Tech II Year I Semester Examinations, March - 2017**

**ENVIRONMENTAL STUDIES**

**(Common to ME, ECE, CHEM, AE)**

**Time: 3 hours**

**Max. Marks: 75**

**Answer any five questions  
All questions carry equal marks**

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- 1.a) What is an Ecosystem? Give the classification of ecosystem. [8+7]  
b) Distinguish between food chain and food web.
- 2.a) Write the benefits and problems associated with dams. [8+7]  
b) What are the merits of Solar energy and bio-gas?
- 3.a) What is biodiversity? What are its values? [7+8]  
b) Write the in-situ measures of conservation of biodiversity.
- 4.a) What is Air Pollution? Distinguish between Primary and Secondary air pollutants? [8+7]  
b) What are the occupational health hazards in mining?
5. What are the global impacts of air pollution? [15]
- 6.a) Describe what is EIA. [7+8]  
b) Explain Overlay method of EIA.
- 7.a) Write the salient features of Water (Prevention and Control of Pollution) Act 1974. [8+7]  
b) What is Solid Waste Management? Explain.
- 8.a) Write the human impact on Environment. [7+8]  
b) What is Sustainable Development? Explain.

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