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Code No: 09A30301

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year I Semester Examinations, May/June-2013

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**

- 1.a) Describe the historical background of environmental awareness.
b) Write a note on degradation of soil. [15]
- 2.a) Briefly discuss droughts and floods with respect to their occurrence and impacts.
b) What is the relationship between fair land distribution and appropriate land use? [15]
- 3.a) Explain the role of producers, consumers and decomposers in an ecosystem.
b) Compare and contrast natural ecosystem with agro ecosystem. [15]
- 4.a) Differentiate habitat, microhabitat and Niche.
b) What are the major factors that are responsible for the loss of plant and genetic biodiversity? What steps are needed to prevent them? [15]
- 5.a) What are the sources of marine pollution? Explain its control measures.
b) What are the sources and control measures of water pollution? [15]
- 6.a) What is the concept of sustainable development? Explain different life styles to be practiced to transfer from unsustainable to sustainable development.
b) What is water shed? Explain various types of water shed management practices? [15]
- 7.a) What are environmental related diseases? Explain the various steps to be taken to control them.
b) Explain the variation of population growth among nations. [15]
- 8.a) Give a detailed report on any two medicinal plants and two birds which are useful to the human life.
b) Prepare a detailed report on the nature and amount of pollution generated by a modern agricultural farm site you visited. [15]

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