

R09

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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