

Code: R7210403

**R07**

II B. Tech I Semester (R07) Supplementary Examinations, May 2012

**ENVIRONMENTAL STUDIES**

(Common to ECE &amp; ECC)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 Explain in detail the multidisciplinary nature of 'Environmental Studies'.
- 2
  - (a) Write notes on deforestation and its effect on human population.
  - (b) Write about the following earth's resources:
    - (i) Lithosphere.
    - (ii) Biosphere.
- 3
  - (a) Explain the concept of an ecosystem in detail.  
What is a desert ecosystem? Write about the structure and functions of the desert ecosystem.
  - (b)
- 4
  - (a) Define biodiversity. Discuss the different values of biodiversity.
  - (b) Discuss conservation of biodiversity.
- 5
  - (a) Define soil pollution. Give the causes, effects and control measures of soil pollution.
  - (b) Write about disaster management in the context of a cyclone.
- 6
  - (a) Discuss the salient features of Air (Prevention and Control of Pollution) Act.
  - (b) Define sustainable development. How can one ensure sustainable development?
- 7
  - (a) Discuss the measures taken by our country to ensure protection of human rights.
  - (b) What are values? Discuss the role of value education in the context of environment.
- 8
  - (a) Prepare a proforma for fieldwork to study the cause and effects of pollution at a local polluted rural site.
  - (b) Write the general guidelines on aspects that can be observed and documented during ecosystem field studies.

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