

Code: R7210403

B.Tech II Year I Semester (R07) Supplementary Examinations December 2015

ENVIRONMENTAL STUDIES

(Common to ECE & ECC)

(For 2008 Regular admitted batch only)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 What is environment? Enumerate and discuss the various segments of environment in detail.
- 2 (a) Discuss role of an individual in conservation of natural resources.
(b) Discuss the environmental effects of extracting and using mineral resources.
- 3 (a) Give a list of four main functions of forest and explain them.
(b) Explain various types of mineral resources of Andhra Pradesh.
- 4 (a) Bring out the relationship between overutilization of resources and ecosystem degradation.
(b) Write a detail note on:
(i) Ecological pyramids.
(ii) Ecological succession.
- 5 (a) How do you explain biodiversity at global, national and local levels?
(b) Discuss about various Ex-situ and In-situ conservation measures of biodiversity.
- 6 (a) What are major air pollutants?
(b) Explain the mechanism of formation of acid rain.
(c) Write about climate change and global warming.
- 7 (a) Discuss how lack of rain fall in your area affects the environment and people.
(b) Write detailed notes on water conservation and rainwater harvesting with case studies.
- 8 (a) Describe how you would methodically record the elements and resources in an ecosystem and it's functioning.
(b) Write about your observations and main conclusions about any ecosystem you have studied (eg. forest, sea shore, farmlands, hilly areas etc.).
