

II B.Tech I Semester(R05) Supplementary Examinations, May/June 2010

ENVIRONMENTAL STUDIES

(Common to Electronics & Communication Engineering and Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the need for students from all courses to be aware of environmental issues.
(b) Write briefly about the scope of environmental studies. [6+10]
2. (a) What do you understand by biotic and a biotic parts of nature?
(b) Explain the interaction and interdependency of these. [6+10]
3. Write briefly about the following types of ecosystems. Bring out the unique characteristics, threats and also the action needed to overcome threats:
(a) Marine ecosystem
(b) Desert ecosystem
(c) Grasslands. [16]
4. Discuss the aesthetic value of nature with respect to the following statements.
(a) A true wilderness experience is an incredible learning experience.
(b) The beauty of nature encompasses every aspect of the living and non-living part of our earth. [8+8]
5. (a) Define air pollution and classify major sources of air pollution.
(b) List the major physiological effects of air pollution on plants and human beings. [8+8]
6. (a) What are the major issues associated with resettlement and rehabilitation?
(b) Bring out the main elements of water conservation. [8+8]
7. (a) Write a detailed note on the causes of diarrhea and the effects of this on human health.
(b) Explain the various measures by which this can be prevented and treated. [10+6]
8. (a) Describe how you would methodically record the elements and resources in an ecosystem and assess its functioning.
(b) Based on your filed visits, summarize your observations and findings of the water resource ecosystem in your region. [8+8]
