

Code.No: 43163

R07

SET-3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
II.B.TECH - I SEMESTER REGULAR EXAMINATIONS NOVEMBER, 2009
ENVIRONMENTAL STUDIES

(Common to ECE, CHEM, ETM, ECC, AE)

Time: 3hours

Max.Marks:80

Answer any FIVE questions
All questions carry equal marks

- 1.a) Discuss about multi disciplinary nature of environmental studies.
b) What is difference between environmental science and environmental studies. Explain scope of environmental studies. [6+10]
- 2.a) What are direct and indirect benefits of forests? Explain in detail ecological services of forest ecosystem.
b) Define "Mining" Explain various environmental impacts of mineral extraction. [8+8]
- 3.a) What is ecological succession? Explain various stages of ecological succession.
b) Explain human threats on (i) Desert ecosystem (ii) Forest ecosystem [8+8]
- 4.a) What do you mean by consumptive use value, productive use value, social value, ethical value and optional value of biodiversity.
b) Write short note on Hot-spots of bio diversity. [10+6]
- 5.a) What is noise pollution & list the possible impacts of noise pollution on human health.
b) What is solid waste management? Explain briefly various management practices of solid waste. [8+8]
- 6.a) What is 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. [8+8]
- 7.a) Explain the role of information technology in environment and human health.
b) Write a critical note on HIV and AID in adults. [8+8]
8. Assuming you have visited marine ecosystem near Madras city as the leader of a group of students, prepare a detailed report with reference to (i) Sources of pollution (ii) Impact of pollution. Based on findings, suggest suitable remedies for control of marine pollution. [16]
