

**II B.Tech I Semester(R07) 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**

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1. Explain the different areas of environmental conservation to which people belonging to different disciplines can contribute. [16]
2. (a) Discuss the use of bioenergy as a non-conventional energy.  
(b) Discuss about the equitable use and conservation of natural resources. [8+8]
3. (a) What steps can be taken to conserve grasslands and what are the common reasons for destruction of these ecosystem?  
(b) Briefly write about the different kinds of grasslands in India, also stating the main activities in such areas. [8+8]
4. (a) What is the difference between exponential and arithmetic growth?  
(b) What are the main interspecific population regulatory interactions? How do they work? [8+8]
5. (a) What is solid waste management? Explain in brief various management activities of solid waste.  
(b) What are various types of refuse? Write the main components and characteristics of refuse. [8+8]
6. (a) How the waste products are collected and managed in India? How do the waste management practices differ from that in developed countries.  
(b) Explain how the consumption varies between rich, middle class and the poor? [8+8]
7. Write a detailed note on:  
(a) Population explosion  
(b) HIV-AIDS. [8+8]
8. Describe the greatness and environmental significance of any 8 of the following:  
(a) Neem tree  
(b) Tulsi plant  
(c) Lion  
(d) Snail  
(e) Earthworm  
(f) Owl  
(g) Oak Tree  
(h) Peacocks  
(i) Sparrows  
(j) Krills  
(k) Vultures  
(l) Ducks  
(m) Duckbill Platipus  
(n) Solomon and trout  
(o) Eagle  
(p) Dolphins. [16]

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