

Anna University, Chennai Nov/Dec 2012 Examinations

GE2021 Environmental Science & Engineering

Unit I-V

1. How is biodiversity conserved? Explain in situ and ex situ conservation along with their merits and limitations
2. Explain ecosystem, energy flow in ecosystem, food chain, food webs and ecological pyramids.
 3. Describe the types, characteristic features, structure and functions of i) Forest Ecosystem, ii) Aquatic Ecosystem
4. Discuss the possible solutions to improve the acceptability of dam projects in Indian conditions
5. Explain solid waste management
6. Explain Bhopal gas tragedy and Chernobyl nuclear disaster
7. What do you mean by thermal pollution? Discuss the causes, effects and control measures of thermal pollution
8. Explain the causes, effects and control measure of water and air pollution
9. What are the major causes of deforestation? Discuss its consequences
10. Discuss in detail the causes and consequences of overexploitation of forest resources
11. Give a brief account of renewable energy resources and their significance
12. With a neat sketch explain the flow of energy through the various components of the ecosystem.
13. What is sustainable development? Explain the measures for it
 14. Explain the following (i) Wild life Protective Act (ii) Forest preventative Act. (iii) Environmental Protection act (iv) Water act
15. Discuss the causes and effects of the following (i) Global warming (ii) Acid rain (iii) Ozone layer depletion
 16. Explain the mechanism of formation of acid rain. Discuss the phenomenon of global warming and factors contributing to it
 17. Write notes on the following (i) women and child welfare. (ii) Human rights (iii) value education
 18. Explain the role of IT in environment and human health
19. Discuss about the environmental and social problem faced by a large Indian city like Chennai

20. Describe briefly (i) The factors that affect human population growth rate.ii) Human rights. iii) Value Education