

## **All The best For Exams - Rejinpaul Team**

Anna University Exams Nov./Dec. 2014 – Regulation 2013  
Rejinpaul.com Important Questions – 3rd Semester BE/BTECH

**GE6351 -Environmental Science and Engineering**

### **Unit I- Environment, Ecosystems and Biodiversity**

1. Explain the various threats to Biodiversity. What are the causes for loss of biodiversity?
2. What is meant by value of biodiversity? Explain different values of biodiversity. Explain In-situ and Ex-situ conservation of biodiversity.
3. Briefly explain the structural and functional components of an ecosystem and energy flow through ecosystem
4. What are the cycles in ecosystems? Describe carbon cycle and biogeochemical cycle in the ecosystem
5. Discuss the characteristic features structure and function of a) desert ecosystem b) Forest Ecosystem and c) Aquatic Ecosystem.

### **Unit II - Environmental Pollution**

1. Explain the methods of disposal of municipal solid waste and radioactive wastes.
2. Explain the causes, effects and control measures of a) marine pollution b) water pollution c) nuclear and Radiation pollution
3. Describe the sources, effects and control of noise pollution and Soil Pollutions (with impacts).
4. Discuss in detail about a) waste water treatment process b) acid rain formation & its effects
5. Discuss in detail about the Bhopal gas tragedy and Chernobyl nuclear disaster.

### **Unit III- Natural Resources**

1. Discuss briefly the ill-effects of deforestation and effects of modern Agriculture
1. What are the causes of soil erosion & deforestation? Explain in detail.
2. Discuss the a) consequences of overutilization of surface and Ground water. b) Production and uses of biogas.
3. Explain the role of an individual in environment protection & ecological benefits of forest
4. Explain a) benefits and problems of constructing dam b) effects of dams on forest and tribal people.

### **UNIT IV- Social Issues and the Environment**

1. Explain watershed management & agenda for sustainable development.
2. Explain the rain water harvesting & need and strategy of water conservation.
3. Explain resettlement and rehabilitation issues.
4. What is consumerism? Mention the objectives and factors affecting consumerism.
5. What is a biomedical waste? Give the steps involved in management of biomedical waste.
6. What is an earthquake? Enumerate its effects Mention the methods to mitigate the disaster.

### **UNIT V- Human Population and the Environment**

1. Explain briefly the population explosion and family welfare program, training and development
2. Explain a) HIV/AIDS b) various policies and programmes for women and child development.
3. Write short notes on a) women and child welfare b) Human rights c) Value education. (ii) Outline the various family welfare plans in the post independent India.
4. Explain the role of NGOs in environmental protection and health.
5. Discuss the factors influencing family size. Population explosion leads to environmental deterioration. Explain.
6. What is EIA? Give the objectives, benefits and process of EIA.

**All the Best for Exams**

**Questions Are Expected for University Exams This May or may Not Be Asked for Exams**

**Please do not Copy (or) Republish This Questions, Students if You Find the Same Questions in Other Sources, Kindly report us to rejinpaulteam@gmail.com**