

St. Peter's University

Avadi, Chennai – 54

II B.E / B.Tech II SEMESTER

Environment Science and Engineering – I

QUESTION BANK

PART A

Unit – I: Environment, Ecosystems and Biodiversity

1. Mention the causes of desertification.
2. What are food chains and food web?
3. State the significant and scope of environmental science?
4. Define environment impact statement.
5. What is food web?
6. India is a mega –diversity nation-account.
7. What is overgrazing?
8. What do we mean by green revolution?
9. What are the three effect of deforestation?
10. Suggest three damages caused by the use of fertilizer.
11. Name the various ecosystem.
12. Suggest three important features of forest ecosystem.
13. What are the types grasslands ecosystem?
14. Define species diversity.
15. Define environment and ecosystem.
16. What is major significance of biodiversity?
17. What is an abiotic environment?
18. What are called endangered species?
19. Define biodiversity.

Unit – II: Environmental Pollution

1. Define noise pollution.
2. What is the role of individual in pollution prevention?
3. What do you mean by noise pollution?
4. What is acid rain?
5. Mention the effects of ozone on plants.
6. List the sources of marine pollution.

7. What are the general causes of air pollution?
8. Define recycling.
9. What do you understand by soil pollution?
10. What are the causes of noise pollution?
11. Suggest four important sources of air pollution.
12. Give two effects of noise pollution on human being.
13. What is acid rain?
14. Give two effects of global warming.
15. What is meant by thermal pollution.
16. Mention the sources of solid wastes.

Unit – III: Natural Resources

1. Define natural resources.
2. Distinguish renewable and non-renewable resources.
3. Write any four uses of forest resources.
4. Give any four reason for over exploitation.
5. Define deforestation.
6. Write any four problems construction of dams.
7. Define over grazing.
8. Define soil erosion.
9. Write any two effects of soil erosion.
10. Define desertification.

Unit – IV : Social Issue and the Environment

1. What is meant by sustainable development?
2. Define the concept of sustainable development.
3. Define holocaust.
4. Define urbanization.
5. What are the objectives of water act?
6. What do you mean by disaster management?
7. Define green chemistry.
8. What is a flood?
9. What is earthquake?
10. Give any affects of disaster.
11. Define landslides.
12. What is rain water harvesting method?

Unit – V: Human Population and the Environment

1. Define population explosion.
2. List the advantages of family welfare programmes.
3. Define the term nuclear energy.
4. What are the sources of HIV infection?

5. What is value education? Give its significance.
6. Define population momentum.
7. What are HIV and AIDS?
8. Give any two schemes of human health program initiated by Indian government on effects of population growth.
9. What are the advantages of family welfare program?
10. Write a note on value education.

PART B

Unit – I: Environment, Ecosystems and Biodiversity

1. Discuss the major features of grassland ecosystem.
2. Write a note on endangered and endemic species.
3. Describe the structural features of ecosystem.
4. Write a note on conservation of biodiversity?
5. Give an account on energy flow in ecosystem.
6. Discuss the importance of biodiversity?
7. Classify and explain the value of biodiversity.
8. Describe the structure and function of the forest and grassland ecosystem.
9. Give the various hot spots of biodiversity.
10. With a neat sketch discuss the nitrogen cycle.
11. Explain the ecological succession.
12. India as mega bio-diversity nation-explain.
13. Explain the methods of conservation of biodiversity.
14. Explain the desert ecosystem.

Unit – II: Environmental Pollution

1. Explain the source, effects and control of soil pollution.
2. Give a detailed account on noise pollution.
3. Describe the control of noise pollution and thermal pollution.
4. Discuss the sources, effects and controls of water pollution.
5. Give a detailed account on source, effect and control of water pollution

Unit – III: Natural Resources

1. Write a note on ecological application.
2. Give a detailed account on water resource.
3. Write a note on conflicts of water.

4. Give a detail account on mineral resources.
5. Describe the conservation of energy and conservation of water.
6. Write a note on production of biogas.
7. Discuss of dams on tribal people.
8. Write a note an application of forest and function.
9. Write a note on impacts of modern agricultural?

Unit – IV : Social Issue and the Environment

1. Explain the method of rain water harvesting.
2. Write a note on re-settlement and rehabilitation.
3. Write a note on wasteland reclamation.
4. Give a brief account of global warming
5. Write a note on water shed management.
6. Describe briefly on bhopar disaster and Chernobyl.
7. Explain the effect of nuclear accidents with two case studies.
8. Discuss the energy requirement in detail for sustaining urban life.
9. Explain in brief about the Indian pollution regulations.
10. Describe the functions of state board and central board according to pollution control.
11. What is meant by earth quack? Enumerate its effects.
12. Briefly discuss to salient features of wildlife production act.

Unit – V: Human Population and the Environment

1. What is AIDS? What are the sources and mode of transmission of HIV infection?
2. Write a note on women and child welfare in India.
3. Write a note on human rights.
4. What are the objectives and elements of value education? How can the same be achieved?
5. Explain the role of information technology in environment and human health.
6. Write a note on child welfare programme.