

MOTHER THERESA INSTITUTE OF ENGINEERING & TECHNOLOGY
PALAMANER – 517408
ENVIRONMENTAL STUDIES (9ABS303) QUESTION BANK

UNIT - I

1. Explain the scope of environmental science in our daily life.
2. How would environmental awareness help to protect our environment?
3. Explain the multidisciplinary nature of environmental studies with flow chart.
4. Discuss the impact of human beings on Environment and vice versa.
5. Human have a special environmental responsibility to themselves and to other fellow living beings. Discuss.
6. Enumerate and discuss the various segments of environment in detail.

Define

1. Environment and environmental science.
2. Eco-mark.
3. Green marketing.

UNIT – II

1. What are renewable and non-renewable sources? With examples.
2. Explain in brief various renewable resources in native.
3. Explain the ecological and commercial uses of forests. Discuss major causes & consequences of deforestation.
4. Briefly discuss the causes of deforestation and ill-effects of deforestation on the quality of life on tribal people.
5. Define natural resources. Explain about the mineral resources, uses of minerals, environmental impacts of mineral mining.
6. Write about the different water resources. Discuss the uses and over utilization of surface and ground water.
7. Write the uses of atleast ten minerals and exploitation concerns of minerals.
8. Write about food resources available to the mankind. Discuss world food problems.
9. Briefly discuss the effects of modern agricultural practices on Environment.
10. Discuss equitable use of resources for sustainable lifestyles.
11. Discuss the uses and effects of over utilization of surface and ground water resources.

SHORT NOTES:

1. Hydrological cycle.
2. Drought.
3. Soil erosion.
4. Bio gas.
5. Conflicts over water in national context.
6. Solar cell or photo-voltaic cell.
7. Nuclear energy.

UNIT – III

1. Write about the structural and functional components of an ecosystem.
2. Explain the functional attributes of ecosystem.
3. What are ecological pyramids? Write about various types of ecological pyramids with examples.
4. What are Bio-geochemical cycles? Explain in brief.
5. Explain the salient features of forest Eco-system.
6. What is ecological succession? Give an account of general process of succession and types in nature.
7. Write about different types, characteristics and components of aquatic ecosystem.
8. State the chief features, of desert ecosystem. And describe their structure and function?
9. Describe the characteristic features, structure and function of the grassland ecosystem.

SHORT NOTES

1. Food chain & Food Web.
2. Energy flow in trophic level.
3. Oxygen cycle.
4. Primary production of an ecosystem.
5. Ecological succession.
6. Homeostasis.
7. Pond ecosystem.

UNIT – IV

1. Discuss the concept of biodiversity at three hierarchical levels.
2. What do you mean by consumptive use value, productive use value, social value, ethical value, aesthetic value and option value of biodiversity?
3. Explain the Bio-geographical classification of India.
4. Explain the types of conservation techniques taken for biodiversity.
5. Major threats to biodiversity.
6. Write about poaching of wildlife in respect of Indian context.
7. Discuss India as a mega diversity nation.
8. Explain in-situ and ex-situ conservation of biodiversity.

SHORT NOTES

1. Ex situ conservation.
2. Hot spots.
3. Poaching.
4. Endemic species.
5. Biosphere reserves of India.
6. Endangered species of India.
7. Threatened species of the world.

UNIT – V

1. Define pollution and various types of pollution.
2. Explain about the source, effects of water pollution.
3. Explain and write notes on solid waste management.
4. Write about soil pollution and explain the impacts of modern agriculture on soil.
5. Define noise pollution. Give the causes, effects and control measures of noise pollution.

SHORT NOTES:

1. Minimata disease.
2. Bio chemical oxygen demand.
3. Chernobyl nuclear disaster.
4. Bhopal gas disaster, 1984.
5. Electrostatic precipitator.
6. Radioactive waste.

UNIT – VI

1. Explain the sustainability principle. What do you mean by sustainable development?
2. What are the measures to be taken for conservation of water resources?
3. Discuss the phenomenon of global warming, along with its effects and control measures.
4. Population, consumerism and waste production are interrelated. Explain.
5. Write about disaster management in respect of an earthquake.
6. What are wastelands? How they are classified? Name and discuss the various methods of wasteland reclamation.
7. Environmental protection act, 1986.
8. Wild life protection act 1972.
9. Discuss briefly the salient features of the water (prevention and control of pollution) Act 1984.
10. Briefly discuss the objectives of Resettlement and Rehabilitation policy.

SHORT NOTES

1. Rain water harvesting.
2. Greenhouse gases.
3. Acid rain.
4. Landslides.
5. Ozone layer depletion.
6. Nuclear Hazards.

UNIT - VII

1. Discuss the variation of population among nations. Also state the factors encouraging and discouraging settlements.
2. Write about population explosion and its effects on human population and environment.
3. What is the importance of environmental education? What is value based education?
4. What is the role of government in “women and child welfare”?
5. Explain the role of information technology in environment.
6. Discuss various issues and measures for women and child welfare at international and national level.
7. Discuss violation of human rights giving examples from the past.
8. Briefly describe the various schemes launched for women and child welfare in India?
9. What are the measures to be adopted for control of HIV/AIDS by the government?
10. What are the basic modes of transmission of HIV? Enumerate the symptoms methods to control, two tests for diagnosis of AIDS.

SHORT NOTES:

1. Population characteristics.
2. Population Explosion.
3. Concept of value education.
4. Human immune deficiency syndrome.
5. Role of IT in Environmental Education.

UNIT – VIII

FIELD WORK (CAN BE CONSIDERED FOR INTERNALS IF SUBMITTED)

SAMPLE QUESTIONS THAT CAN BE ASKED FROM REFERENCE BOOKS or on OWN:

1. Which water quality parameters are to be taken into consideration while assessing a drinking water sample testing in a laboratory?
2. Write BIS: 10500: 1991 drinking water quality parameter charts.
3. What are the environmental parameters to be taken into consideration when visiting an industry?
4. Give a detailed report on the study of a polluted site in urban and agriculture area.
5. Write a report on studies on designing products with waste materials.
6. Give a detailed report on documenting Environmental resources like river, forest, mountain in a specific area you visited.
7. Discuss the nuclear hazard caused by tsunami in Japan.
8. Write about your role in prevention of pollution in your town.