

UNIT - I

Two Mark Question

1. State the significance and scope of the environmental education.
2. What are the main objectives of environmental awareness?

(Or)

State the need for public awareness for solving environmental problem.

3. Is environment state or dynamic? Mention the two major components of the environment.
4. Define the term 'Risk' and 'hazard'
5. How are hazards controlled?
6. What is an ecosystem?
7. Explain biosphere
8. Define the terms producers component and classy them?
9. Define decomposer and give their significance.
10. What is meant by ecological succession?
11. Define biodiversity
12. Write down the three different level of Biodiversity.
13. What are the significance of biodiversity?
14. Mention the bio geographic regions of India are Trans-Himalayas, Himalayas, Desert,
15. Distinguish between species and genetic diversity?
16. What is meant by the 'Ethical value of biodiversity'?
17. What are the biodiversity hot spots? Mention any two hot spots in India.
18. Define habitat. Give two examples.
19. Explain threatened and endangered species.
20. Differentiate between In-situ and ex-situ conservation of biodiversity.
21. "India is a mega diversity nation" – Accounts.

**Part – B**

1. Explain about the scope and importance of risk and hazards. (16)
2. Define Ecosystem. Explain the structural and functional components of an

- Ecosystem. (16)
3. Briefly explain the energy flow through eco system. (16)
4. With a neat sketch explain about the nitrogen cycle. (16)
5. Describe the ecological succession and ecological pyramids. (16)
6. Describe the types, characteristics, features, structure and functions of forest ecosystem. (16)
7. What is ecosystem? Explain the structure, characteristics and types of aquatic ecosystem. (16)
8. Explain the grass land ecosystem. (16)
9. Explain in detail on features of Desert. (16)
10. Define biodiversity and explain its types. (16)
11. Name and discuss the value that can be assigned to biodiversity. (16)
12. Give the various hot spots of biodiversity. (16)
13. Discuss the major threats faced by Indian biodiversity. (16)
14. Write a detailed note on biodiversity at global and national level. (16)
15. What are the reasons for decline in biodiversity? (16)
16. How biodiversity is conserved? Explain. (16)
17. What is the importance of protecting the biodiversity of earth? (16)

## Unit – II

1. Define Pollution
2. Differentiate between pollution and contamination.
3. Mention some important types of pollution.
4. Define air pollution.
5. Explain the structure of atmosphere.
6. Define and give examples for primary and secondary air pollutants.
7. Give any four major secondary air pollutants that are present in the environment.
8. Name any four air pollutants, and their sources and effects.
9. What are major sources of air pollution from automobiles?

10. What is photochemical smog?
11. Write a note on CFC
12. What are the effects of air pollution in atmosphere?
13. What are point and non point sources of water pollution?
14. Write any four major water pollutions.
15. Distinguish between sewage and effluent.
16. Define biological oxygen demand and chemical oxygen demand. Write its importance in environmental studies.
17. Define BOD<sub>5</sub>.
18. Define DO and give the environmental standard of DO for drinking water.
19. What are the causes of soil pollution?
20. What are the alternatives to chemical fertilizers?
21. Define the term noise pollution.
22. Define thermal pollution.
23. Define solid waste management.
24. State the role and responsibility of an individual in their prevention of pollution.

**PART - B**

1. Define air pollution. What are the sources of air pollutants? Explain the approach to control of air pollution. (16)
2. Explain the effects of CO<sub>2</sub>, SO<sub>2</sub>, Hydro carbons and Chromium on human beings. (16)
3. Describe about the formation of photochemical smog. (16)
4. How does acid rain is formed and what are the adverse effects on environment? (16)
5. List out the methods of controlling SPM and explain any two methods in detail. (16)
6. Discuss the sources, adverse control methods of water pollution. (16)
7. Explain in detail any two waste water treatment methods. (16)
8. What is the significance of dissolved oxygen in rivers? Explain. (16)
9. What are the effects of oil pollution in oceans? (16)
10. What are the sources of thermal pollution? Explain its effects and controlling methods. (16)
11. What are the causes of noise pollution? Explain its effects and controlling

- methods. (16)
12. Explain the causes, effects and control measures of marine pollution. (16)
13. Give a comparative account of urban and industrial waste in terms of their sources, characteristics, and management and disposal methods. (16)
14. Explain the effects of nuclear and radiation pollution. (16).
15. What are the effects of improper municipal solid waste management? State the measures recommended for proper management. (16)
16. What are the characteristics of hazardous and non-hazardous waste/ what are the ill effects of hazardous waste, how do you manage them (16)
17. Discuss in details the role of an individual in pollution prevention. (16)

**UNIT-III**

1. Mention some natural resources.
2. What are the ecological benefits of the forests?
3. Write the economic importance of forest.
4. Define sustainable forestry.
5. Define deforestation.
6. What are the causes of deforestation?
7. What is the impact of deforestation on the environment?
8. Differentiate between deforestation and forest degradation.
9. State the environmental effects of extracting and using mineral resources.
10. What are the changes caused by overgrazing?
11. Define water logging. State the reasons and their effects.
12. Define eutrophication.
13. Define and distinguish between flood and water logging
14. Differentiate between renewable and non-renewable resources
15. What are exactly fossil fuels and why are they non-renewable?
  
16. What is geo thermal energy?

17. How does land degradation take place? Write its adverse effects.
18. What is soil erosion? How can it be controlled?
19. What are landslides? What are its harmful effects?
20. Define Desertification.
21. Differentiate between Desertification and land degradation.

**PART – B**

1. What are the ecological benefits of the forests? (16)
2. What are the major causes of deforestation? Discuss its consequences. (16)
3. Discuss the effects of timber extraction on forests and tribal people. (16)
4. Illustrate the various environmental ill effects and benefits associated with dams with reference to a case study. (16)
5. Discuss the consequences of over drawing surface and ground water. (16)
6. Describe the problems associated with the over exploitation of mineral resources and ground water (16)
7. What are the renewable and non renewable energy resources? Explain the merits and demerits of any two renewable energy resources. (16)
8. Explain briefly the various methods of harvesting solar energy. (16)
9. Discuss the merits and demerits of wind energy. (16)
10. What are the pros and cons of nuclear power? (16)
11. What is the importance of land as a natural resource? (16)
12. Discuss in detail the factors responsible for land degradation. What are the means to prevent land degradation? (16)
13. What are the causes of soil erosion? Explain the methods to prevent it. (16)
14. What is desertification? Mention any two causes for it. (16)
15. How do you contribute for environmental conservation? (16)
16. Explain about the production and uses of bio-gas. (16)
17. What are the types of functions of proteins? (16)

**Unit-IV**

1. Explain the term sustainable development.
2. What do you mean by sustainability?
3. Define the term Urbanisation.
4. What are the urban problems related to energy?
5. What is the rain water harvesting?
6. Define watershed.
7. What is watershed management?
8. Define environmental ethics.
9. Define hazardous waste.
10. State a few drawbacks of pollution related Acts.
11. List the four objectives for Forest conservation Act.
12. List out at least four major environmental issues.
13. What are the objectives of the wild life protection act of 1972?
14. What do you mean by ecolabelling?
15. Mention the objectives of ecolabelling.
16. What is disaster management?
17. Define earthquake.
18. What is cyclone?
19. What is Tsunami?

**PART-B**

1. Elaborate the concepts and the importance of sustainable development. (16)
2. With the help of neat diagram explain the principles of rain water harvesting. (16)
3. What is watershed? Critically discuss the objectives practices of watershed management. (16)
4. Write short notes on (i) Environmental Ethics(ii) Wasteland reclamation. (16)
5. Write short notes on ozone layer depletion. (16)
6. Write the causes and consequences of Three Mile Island nuclear accident. (16)
7. Write short notes on integrated waste land development program. (16)
8. What are the waste lands? Explain the methods of wasteland reclamation. (16)

9. Discuss briefly on the Environmental acts. (16)
10. Explain the importance in the wild life protection and Environment protection acts. (16)
11. What are the salient features of the following acts (i) The air (prevention and control of pollutions) Acts 1981, (ii) The environment (protection) act 1986. (16)
12. What powers does the environmental act of 1986 give to the central government? (16)
13. Name the laws that have been framed for environmental protection. Mention the objectives of each act. (16)
14. Briefly discuss the salient features of the environment (protection) Act 1986 (16)
15. Write short notes on disaster management. (16)
16. What is an earth quake? Write its effects. What measures? (16)
17. Define flood. What are causes? What measures should be taken to mitigate the flood disaster? (16)
18. Explain briefly about the causes and effects of Tsunami. (16)

**UNIT -V**

1. List the problems of population growth.
2. What are the reasons behind the increased population growth in the less developed nations compared with developed nations?
3. What Is population explosion and population density?
4. Define doubling time with reference to population growth.
5. Define immigration and emigration.
6. Define population explosion. Write its consequences.
7. Define Demography.
8. State how environment and human health are related.
9. What are the objectives of public awareness?
10. Name the fundamental rights of an Indian citizen.
11. What is value education? Give its significance.
12. What is HIV? Name the sources where they exist in human body?

(Or)

How is HIV transmitted?

13. Differentiate between HIV and AIDS.

14. Name some tests available to find HIV infection.
15. What are the different types of EIA?
16. What the goals of EIA?
17. Define Environment impact.
18. List the benefits of GIS.
19. What is information?
20. List the applications of IT in environment.

**PART-B**

1. Discuss the environment and social impacts of growing population. (16)
2. With a neat diagram explain the variation in population growth among various nations. (16)
3. Explain the terms with statistical support: Exponential growth and population explosion.  
Also explain the theories behind them. (16)
4. Population explosion affects the environment seriously, discuss it. (16)
5. Explain the impacts of the environmental pollution on human health. (16)
6. Explain the major objectives of family welfare programmes in India. (16)
7. Discuss the methods and strategies of imparting value education. (16)
8. Explain the effects and control of AIDS (16)
9. What do you know about HIV & AIDS? Mention the causes of HIV transmission and  
How do you prevent HIV? (16)
10. Write notes on the following in relation to human population and environment  
(i) women and child welfare (ii) human rights (iii) value education. (16)
11. Explain briefly about political participation of women and write a short note on  
Women and Economy? (16)
12. Enumerate the function of GIS and its benefits. (16)
13. What is remote sensing? Explain the stages of remote sensing. List out its advantages. (16)
14. Explain the process of Environmental Impact Assessment and its benefits. (16)
15. Explain the role of IT in environment and human health. (16)