

Unit 1: The Multidisciplinary nature of environmental studies

2 MARKS

Q.1

- (1) What is life cycle assessment ?
- (2) Define the term "Environment".

6 MARKS

- (1) Write the importance of Environmental studies.

10 MARKS

- (1) Explain environmental science is a multidisciplinary science.

Unit 2: Natural Resources

2 MARKS

- (1) Define the "Source of Energy".
- (2) What is water harvesting?
- (3) What are exhaustible and inexhaustible natural resources ? Give examples.
- (4) What do you mean by wasteland reclamation ?

6 MARKS

- (a) Explain the important of solar energy.
- (b) What are mineral resources ? Explain, how mining affects environment?

10 MARKS

- (1) What is Geo-thermal Energy? Explain the uses of geo-thermal energy for electricity generation.
- (2) Briefly, explain about the causes consequences of drought.
- (3) Write the merits and demerits of dams.
- (4) Discuss about rain water harvesting. Write its advantages.
- (5) Write the effect of modern agriculture on world food resources.
- (6) Discuss about rain water harvesting. Write its advantages.
- (7) State and explain the renewable and nonrenewable natural resources.
- (8) What are the causes and effects of Deforestation?

Unit 3: Systems

2 MARKS

- (1) What is Aquatic Ecosystem?

- (2) What is food chain ?
- (3) What is ecological balance ? Why is it necessary ?
- (4) What is a food chain? Give example.
- (5) What are autotrophs and heterotrophs ?
- (6) What are detritivores? Give examples.
- (7) Define autoecology.
- (8) What are producers and decomposers ?

6 MARKS

- (1) Write the function of food-chain and food webs in Ecosystem.
- (2) Describe the forest as an ecosystem.
- (3) Explain the structure of an Eco-system.
- (4) What are ecological pyramids ? Explain the pyramid of Numbers.
- (5) Explain the energy flow in the ecosystem and show that it is unidirectional.
- (6) Explain the three general types of Ecological pyramids.

10 MARKS

- (1) Explain the different components of an Ecosystem.
- (2) How is food chain different from food web ?

Unit 4: Biodiversity and it's Conservation

2 MARKS

- (1) What is life cycle assessment ?
- (2) Define biodiversity.
- (3) Define ex-situ conservation.

6 MARKS

Write a notes on Biodiversity.

10 MARKS

- (1) What are the various causes and issues related to the threats of biodiversity?
- (2) What are the major threats to biodiversity?
- (3) What are the effects of over grazing?

Unit 5: Environmental Pollution.

2 MARKS

- (1) What is Water-Pollution
- (2) What is Environmental Pollution ?

- (3) What is Air-Pollution ?
- (4) What is ozone pollution ?
- (5) What are the harmful consequences of excessive noise ?
- (6) What is meant by Global Warming? What are its effects ?
- (7) Define 'Noise-Pollution'?
- (8) What are greenhouse gases ?
- (9) Define BOD and COD.
- (10) What are biodegradable pollutants ? Give example.
- (11) What are secondary pollutants? Give examples.
- (12) What are hazardous wastes ?
- (13) What is photochemical smog ?
- (14) What is acid rain ?

6 MARKS

- (1) What are the various gas pollutant ?
- (2) Explain the different components of water pollution.
- (3) Explain the present status of Air-Pollution.
- (4) How water pollution is the cause of water borne diseases ?
- (5) Explain, the methods employed for control of noise pollution.
- (6) Explain the present status of Air-Pollution.
- (7) Write the various approaches to control soil pollution.
- (8) Explain, the methods employed for control of noise pollution.

10 MARKS

- (1) Describe the various methods of controlling Air pollution from the Industry.
- (2) What is Green-house effect? How does it cause global warming?
- (3) Write the different methods for controlling Water Pollution ?
- (4) What is plastic pollution? How biodegradable plastics will be helpful for sustainable environment ?
- (5) Explain, the various equipments used to control. suspended particulars in industries.
- (6) Write the various methods of disposal of solid wastes.
- (7) Explain, the various equipments used to control suspended particulars in industries.
- (8) Write an essay on "Global Warming".
- (9) Write a short notes on : (i) Effects of air pollution.
(ii) Measures to check air pollution.

Unit 6: Social issues and the Environment

2 MARKS

- (1) What is acid rain ?
- (2) What are nuclear fall-out? What is its effect?
- (3) Why is ozone important ?
- (4) What are endangered species? Give example.
- (5) What is gene pool ?
- (6) What do you mean by waste land reclamation?

6 MARKS

- (1) What is radiation pollution ?
- (2) How air pollution is accountable for illhealth?
- (3) Write a short note on "Public awareness to protect our environment".
- (4) How education can be used to save environment?
- (5) Write a short note on "Public awareness to protect our environment".

10 MARKS

- (1) What is the necessity of environmental legislation ?
- (2) Discuss the Environmental Protection Act, 1986.
- (3) Describe the impact of modern agricultural practices on environment.
- (4) Describe the values included in value education.

Unit 7: Human population and the environment

2 MARKS

1. What is Green Technology ?
2. What do you mean by environmental audit ?
3. What is poaching of wildlife?
4. What are endemic species? Give examples.
5. What is population explosion ?

6 MARKS

1. State the feasibility of "sustainable development" seeks to strike a balance between economic progress and environment protection.
2. Give a comparison between ex-situ and in-situ conservation.
3. Discuss the role of information technology in environment and human health.
4. Write the various sources of hazardous wastes.
5. What do you mean by sustainable development ?

10 MARKS

1. How environmental education will help in nature of environment ?
2. Discuss the Environmental Protection Act, 1986.