

UNIT – I: Multidisciplinary nature of Environmental Science, and Ecosystems:

1. A) Define ecosystem and list out the components of an ecosystem. L2-CO1-6M
B) Define environmental science and give the importance of environmental science L1-CO1-6M
2. A) Describe the Multidisciplinary Nature of Environmental Science L1-CO1-6M
B) Explain the variation of population growth among the nation. L3-CO1-6M
3. A) Briefly explain the manner in which ecosystems are destroyed by human activities. L1-CO1-6M
B) Explain about Grazing food chain and Detritus food chain. L2-CO1-6M
4. Describe food chain, food web and ecological pyramids with suitable examples and Diagrams. L2-CO1-12M
5. a) What is population explosion? Write about causes and consequences of population explosion. L1-CO1-6M
b) Explain the structure of Forest ecosystem L2-CO1-6M
6. Explain the structure of ecosystem and describe the role of producers, consumers and decomposers in an ecosystem L1-CO1-12M
7. Explain about a) Desert ecosystem L1-CO1-6M
b) Aquatic ecosystems L1-CO1-6M
8. Explain about a) Forest ecosystem L2-CO1-6M
b) Grassland ecosystems L1-CO1-6M
9. Distinguish between the Grazing food chain and Detritus food chain. L1-CO1-6M
b) Explain the importance of Environmental science
10. A) Define environmental science and give the scope of environmental science. L2-CO1-6M
B) What are the different activities that can be taken up to increase public awareness of environmental issues? L1-CO1-6M

UNIT—II

1. A) Explain about the environmental effects of extracting mineral resources. L1-CO2-6M
B) Discuss the problems associated with the over usage of fertilizers and pesticidesL3-CO2-6M
2. A) What are the actions that could serve as solutions to the problem of deforestation? L1-CO2-6M
B) List out the causes and effects of soil erosion. L2-CO2-6M
3. A) How do forests get degraded and what are the effects of deforestation.?L1-CO2-6M
B) What is forest community? Explain the direct and indirect benefits from forests ?L2-CO2-6M
4. A) Discuss the uses and exploitation of forest resources. L1-CO2-6M
B)Distinguish between renewable and non- renewable energy sourcesL1-CO2-6M
L2-CO2-6M
5. A) What is the role of individuals in conservation of natural resources?L1-CO2-6M
B) What are food resources and what are the world food problems?L2-CO2-6M
6. What are the uses of forest resources and explain about the deforestation and afforestation?L1-CO2-12M
7. A) Explain about the environmental effects of extracting mineral resources. L1-CO2-6M
B) List the causes and effects of soil erosion. L1-CO2-6M
8. A) Write a note on different types of alternative energy sources, their merits and demerits in brief.L1-CO2-6M
B) Explain the problems created by construction of large dams for irrigation and power generation.L3-CO2-6M
9. A) What are the effects of modern agriculture on environment ? L1-CO2-6M
B) Explain the advantages and disadvantages of construction of Dams L2-CO2-6M
10. a) write a note on Desertification L1-CO2-6M
b) write about adverse effects of pesticides and fertilizers

UNIT – III Biodiversity and its conservation:

1. Define Biodiversity? Describe the Biodiversity Classifications?L1-CO3-6M
OR

2. Write short notes on values of biodiversity? L1-CO3-6M

3. Discuss biodiversity at local level and national level with examples?L3-CO3-6M

OR

4. Write briefly about the different types of diversity in ecosystems. L1-CO3-6M

5. Explain the value of biodiversity and what are the different types of values of biodiversity.
L1-CO3-6M

OR

6. Write briefly about the different types of diversity in ecosystems. L1-CO3-6M

7. Define biodiversity? Explain the value of biodiversity?L1-CO3-6M

OR

8. Discuss biodiversity at local level and national level with examples?L1-CO3-6M

9. Define Biodiversity? Describe the Biodiversity Classifications? L1-CO3-6M

OR

10. Write briefly about the different types of diversity in ecosystems. L1-CO3-6M