

MSc Sem.-1 Examination

401

Environmental Science

February-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks
Attempt all Questions

Q I	Explain in detail Concept of sustainability and sustainable development	14
OR		
Q I	A. Write a note on Environmental movements in India (Any one) B. Detail note on Atmosphere and Biosphere	7 7
Q II	Explain in detail about Biotic factors and interaction	14
OR		
Q II	Write a note on Environmental and Climatic Factors: Light, Temperature of Air (atmospheric temperature), Rainfall (precipitation), Humidity of air, atmosphere (gases and wind), fire. B. Explain soil profile	7 7
QIII	Write a Short-note on Ecological Pyramids, Food Chains and Food Webs.	14
OR		
Q III	A. Explain Homeostasis in detail B. Explain Population and Communities- Structure, Species Diversity and Species Interaction.	7 7
Q IV	Explain in detail about Ecological Niche; Species richness; Keystone species; Invasive species	14
OR		
Q IV	A. Short-note on Biogeochemical cycles B. Explain Structure and Functions of an Ecosystem.	7 7
Q V	Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc.	14
1	What is keystone species	02
2	Define Steepness and exposure of slope	02
3	Explain species richness	02
4	Definition of halophytes	02
5	Example of mesocoles	02
6	What is Neutralism	02
7	Explain Ecological Footprint	02
8	Write any two properties of soil	02
9	Explain need of Environment Eduaction	02
10	What are climatic zones	02
11	World Environment day is celebrated on which day?	02
12	Define Environmental Science	02