



PRACTICE SET
End Semester Examination, December, 2025

Program: B.Com
Semester: I
Course: Environmental Management
Course Code: 32AMDC101

Course Outcomes:

On the successful completion of the Course, students will be able to:

Course learning outcome

CLO 1: The course will provide a critical survey of the contemporary field of environmental policy, planning and management in the Indian contexts

CLO 2: The course is centrally based with understanding deliberate efforts to translate environmental knowledge into action in order to achieve particular outcomes in the way landscape, societies and natural ecosystem are used and managed.

CLO 3: The course will critically examine contemporary thinking on these environmental themes including: sustainable use practices, political-ecology, decentralized environmental managements.

CLO 4: Conversion of natural resources, ecological balance and diversity to achieve sustainable development.

Course Outcome

CO1. Understand core concepts and methods from ecological and physical science and their application in environmental problem-solving.

CO2. Gain the knowledge about the different types of pollutions and their control technologies, waste water treatment, biomedical waste management etc.

CO3. Get the information about ecosystem and also about its function like food chain, ecological pyramids etc.

CO4. Have a clear understanding environmental ethics, human health and family welfare.

CO5. Aspirate the critical, cross-cultural and historical context of environmental issues and links between human and natural system.

Section A

(20*5=100)

1. Define Environmental Management and explain **its** importance. [CO-1 Remember]
[Unit 1, LOT]

2. Differentiate between Biosphere, Geosphere and Hydrosphere.- [CO-1 Understand] [Unit 1, LOT]
3. List the types of Ecosystems with suitable examples.- [CO-3 Remember] [Unit 1, LOT]
4. Explain the major causes of biodiversity loss.- [CO-5 Understand] [Unit 1, LOT]
5. Discuss the relationship between population growth and environmental degradation.- [CO-5 Understand] [Unit 1, LOT]
6. Define water pollution and list its major sources. [CO-2 Remember] [Unit 2, LOT]
7. Write short notes on greenhouse effect and global warming.- [CO-2 Understand] [Unit 2, LOT]
8. Describe methods of water conservation in India.- [CO- 2 Understand] [Unit 2, LOT]
9. Explain the effects of air pollution on human health.- [CO-2 Remember] [Unit 2, LOT]
10. Mention the control measures for noise pollution.- [CO-2 Understand] [Unit 2, LOT]
11. Define solid waste and mention its types.- [CO-2 Remember] [Unit 2, LOT]
12. Write a note on biomedical waste management.- [CO-2 Understand] [Unit 3, LOT]
13. Discuss forest degradation and its causes.- [CO-5 Understand] [Unit 3, LOT]
14. Explain the concept of composting and its benefits.- [CO-2 Understand] [Unit 3, LOT]
15. What are the environmental impacts of landfills? [CO-1 Understand] [Unit 3, LOT]
16. Define Environmental Impact Assessment (EIA).- [CO-4 Remember] [Unit 3, LOT]
17. Write a short note on the Paris Agreement.- [CO-4 Understand] [Unit 4, LOT]
18. Mention the role of Information Technology in Environmental Management.- [CO-4 Apply] [Unit 4, LOT]
19. Explain the importance of Ramsar Convention.- [CO-4 Understand] [Unit 4, LOT]
20. Describe the role of Judiciary in environmental protection.- [CO-4 Understand] [Unit 4, LOT]

Section-B

(14*10=140)

21. Explain the concept of Natural Resources and their types with examples.- [CO-3 Understand] [Unit 1, LOT]
22. Analyze the effects of population explosion on sustainable development.- [CO-1 Analyze] [Unit 1, HOT]
23. Assess the effectiveness of National Parks and Biosphere Reserves in addressing current threats to biodiversity.- [CO-5 Understand] [Unit 1, LOT]
24. Explain the hydrological cycle with a neat diagram.- [CO-3 Understand] [Unit 2, HOT]
25. Discuss the Government initiatives to control air pollution in India.- [CO-4 Understand] [Unit 2, LOT]
26. Analyze the **interrelations** between climate change and greenhouse gases.- [CO-2 Analyze] [Unit 2, HOT]
27. Explain the process of municipal solid waste management with suitable examples.- [CO-1 Understand] [Unit 3, LOT]
28. Describe the major issues related to the resettlement and rehabilitation of people due to dam construction.- [CO-1 Understand] [Unit 3, LOT]
29. Evaluate the environmental concerns related to mega hydroelectric projects.- [CO-1 Evaluate] [Unit 3, HOT]
30. Discuss the legal framework and constitutional provisions for environmental protection in India.- [CO-4 Understand] [Unit 4, LOT]
31. Analyze the significance of the Stockholm Conference (1972) in shaping global environmental policies. [CO-4 Analyze] [Unit 4, HOT]
32. Evaluate the effectiveness of the Kyoto Protocol and UNFCCC in controlling climate

change.- [CO-4 Evaluate] [Unit 4, HOT]

Section- C

(6*20=120)

33. Propose a sustainable plan for controlling air and water pollution in urban areas of India.- [CO-2 Analyze] [Unit 2, HOT]
34. Critically evaluate the effectiveness of current wastewater recycling techniques used in industries and household.- [CO-2 Create] [Unit 2, HOT]
35. Analyze the social and environmental implications of forest depletion and suggest sustainable management strategies.- [CO-1 Analyze][Unit 3,HOT]
36. Develop an integrated waste management plan focusing on reduction, reuse, and recycling principles.- [CO-2 Create] [Unit 3, HOT]
37. Design a policy framework integrating international environmental agreements and Indian environmental laws.- [CO-4 Create] [Unit 4, HOT]
38. Critically analyze the Environmental Impact Assessment (EIA) process in India with relevant case studies.- [CO-4 Analyze] [Unit 4, HOT]

Summary Sheet

CO Wise:

CO	Q. No	Marks
CO1	1,2,15,22,27,28,29,35	75
CO2	6,7,8,9,10,11,12,14,26,33,34,36	110
CO3	3,21,24	25
CO4	16,17,18,19,20,25,30,31,32,37,38	105
CO5	4,5,13,23	25
Total		340

Unit Wise:

Unit	Q. No	Marks
Unit 1	1,2,3,4,5,21,22,23	55
Unit 2	6,7,8,9,10,24,25,26,33,34	95
Unit 3	11,12,13,14,15,27,28,29,35,36	95

Unit 4	16,17,18,19,20,30,31,32,37,38	95
Total		340

Blooms Taxonomy Level (BTL) Wise:

BTL	Q. No	Marks
LOT	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23,25, 27,28,30	160
HOT	22,24,26,29,31,32,33,34,35,36,37,38	180
Total		340

Prepared by: Soma Ghosh

Disclaimer: - This is a Practice Set. The Question in End term examination will differ from the Practice set. This Practice set is meant for practice only.