

PRACTICE SET
End Semester (IIIrd Sem.) Examination, December– 2025

Program: B. Sc. (Hons.) Agriculture
Semester: Third
Course: Environmental Studies and Disaster Management

Course Code:13A.214

Course Outcomes:

At the end of the course the students will be able to:

- CO1** Acquire values and attitudes towards understanding complex environmental, economic and social challenges, and participating actively in solving current environmental problems and preventing the future ones.
- CO2** Develop critical thinking for shaping strategies (scientific, social, economic and legal) for environmental protection and conservation of biodiversity, social equity and sustainable development
- CO3** Demonstrate an integrative approach to environmental issues with a focus on sustainability
- CO4** Apply knowledge for critical thinking, problem-solving, and the methodological approaches for disaster management

Unit 1

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
1.	Explain the role of forests in conserving the environment.	Understand	CO1
2.	Define renewable and non-renewable resources with examples	Remember	CO1
3.	List the roles and responsibilities of an individual in the conservation of natural resources.	Remember	CO1
4.	Compare the characteristics of forest and grassland ecosystems.	Understand	CO2
5.	Explain the effects of mining on forests and tribal communities.	Remember	CO1

Section: II (15 Marks questions, only Higher order Thinking -HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
6.	Analyze the importance and scope of environmental studies and evaluate how it contributes to sustainable development and environmental awareness.	Analyze	CO1
7.	Analyze the interdependent roles of producers, consumers, and decomposers in an ecosystem, and evaluate how energy flows through different trophic levels using an appropriate diagram.	Analyze	CO2
8.	Compare and contrast the structure and function of food chains and food webs, and analyze how each contributes to the stability	Evaluate	CO2

	of an ecosystem with suitable examples.		
9.	Outline the concept of ecological pyramid, discussing its various types and evaluating their significance in understanding energy flow and trophic relationships within ecosystems.	Analyze	CO2
10.	Explain the different types of energy sources, distinguishing between renewable and non-renewable.	Analyze	CO1

Unit 2

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
11.	Describe the actions that individuals can take to reduce pollution and protect the environment.	Remember	CO1
12.	Explain briefly how India qualifies as a mega-biodiversity nation.	Understand	CO2
13.	Identify and explain the major biogeographical zones found in India.	Remember	CO2
14.	Discuss the impact of illegal wildlife trade on the survival of endangered species.	Understand	CO3
15.	Summarise how biodiversity is conserved through in-situ and ex-situ approaches.	Understand	CO1

Section: II (15 Marks questions, only Higher Order Thinking -HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
16.	Assess the importance of biodiversity by explaining its types and critically examining the processes used for its conservation.	Evaluate	CO2
17.	Compare water and marine pollution along with their causes and control measure.	Analyze	CO1
18.	Explain solid waste management. Explain its causes, effects and control measures.	Analyze	CO3
19.	Evaluate the modern techniques used for rain water harvesting.	Evaluate	CO1
20.	Briefly explain water pollution and air pollution explaining their causes and effects on environment and control measures.	Analyze	CO1

Unit 3

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
21.	List down the human rights.	Remember	CO2
22.	State the main purpose of the Water (Prevention and Control of Pollution) Act.	Remember	CO3
23.	State the importance of wasteland reclamation.	Remember	CO3
24.	Explain briefly the importance of the Environment (Protection) Act 1986.	Understand	CO3
25.	Explain the principles of environmental ethics.	Understand	CO3

Section: II (15 Marks questions, only Higher order Thinking -HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
26.	Analyze the impact of the Wildlife (Protection) Act on the protection of endangered species.	Analyze	CO2
27.	Differentiate between Wildlife Protection Act and Forest conservation Act.	Analyze	CO2
28.	Analyze the impact of IT-based tools on human health and environmental protection.	Analyze	CO3
29.	Evaluate the effectiveness of awareness programs in preventing HIV/AIDS.	Evaluate	CO3
30.	Evaluate which reclamation method is most suitable for saline or alkaline soils.	Evaluate	CO1

Unit 4**Section: I (5 Marks questions, only Lower order Thinking -LOT)**

Sl. No.	Model Questions	Bloom Taxonomy	CO
31.	List any three natural disasters and three man-made disasters.	Remember	CO4
32.	Define avalanche and landslide with one example each.	Remember	CO4
33.	Briefly describe global warming.		CO4
34.	State the mitigation measures of flood.	Remember	CO3
35.	Mention the role of NGOs in disaster management.	Remember	CO4

Section: II (15 Marks questions, only Higher order Thinking -HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
36.	Evaluate the effectiveness of the Armed Forces and Local Administration in managing disasters in India, citing examples	Evaluate	CO4
37.	Evaluate the impact of different natural disasters on human society and propose measures for disaster management.	Analyze	CO4
38.	Evaluate the role of innovation and community empowerment in creating sustainable disaster risk reduction initiatives.	Evaluate	CO4
39.	Analyze different types of man-made disasters and their impacts on society and the environment.	Analyze	CO4
40.	Analyze the causes and types of droughts and suggest suitable management measures.	Analyze	CO3

Summary

CO Wise

CO	Q. No	Marks
CO1	1,2,3,5,6,10,11,15,17,19,20,30	110
CO2	4,7,8,9,12,13,16,21,26,27	110
CO3	14,18,22,24,25,28,29,34,40	85
CO4	6,31-33,35,36,37,38,39	95
Total		400

Unit wise

Unit	Q. No	Marks
Unit 1	1-10	100
Unit 2	11-20	100
Unit 3	21-30	100
Unit 4	31-40	100
Total		400

Blooms Taxonomy Level (BTL) Wise

BTL	Q. No	Marks
LOT	1-5,11-15,21-25,31-35	100
HOT	6-10,16-20,26-30,36-40	300
Total		400

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