

PRACTICE SET

End Semester (I Sem.) Examination, December 2025

Course: Environmental Studies

Semester: First

Program: BCA

Course Code: 3CVAC101

Course Outcomes	Description
CO1	Articulate the interconnected and interdisciplinary nature of environmental studies; an integrative approach to environmental issues with a focus on sustainability
CO2	Predict the consequences of human actions on the web of life, global economy and quality of human life, develop critical thinking for shaping strategies (scientific, social, economic and legal) for environmental protection and conservation of biodiversity, social equity and sustainable development
CO3	Acquire values and attitudes towards understanding complex environmental-economic social challenges, and participating actively in solving current environmental problems and preventing the future ones
CO4	Reflect critically on their roles, responsibilities, and identities as citizens, consumers and environmental actors in a complex, interconnected world, adopt sustainability as a practice in life, society and industry.

UNIT I

Section A (Each carries 5 marks)

(LOT)

1. Extend your thought on “Environmental Studies is multidisciplinary in nature”. [CO1] [Understanding]
2. Summarize equitable use of resources? [CO1] [Understanding]
3. Explain sustainable development. [CO1] [Understanding]
4. Define and differentiate between renewable and non-renewable resources with suitable examples. [CO1] [Remember]
5. Define Jhum cultivation? [CO1] [Remember]

Section B (Each carries 10 marks)
(Both HOT/LOT)

6. Identify the geothermal energy can be used to generate electricity. Build its advantages and disadvantages? [CO1] [Apply]
7. Compile “Food security is important”. Name the agencies that monitor food safety. [CO1] [Create]
8. Explain sustainable development. List out the scope of environmental studies. [CO1] [Understating]
9. Explain the use and exploitation of mineral resources. [CO1] [Understating]

Section C (Each carries 20 marks)
(HOT)

10. Describe the classification of natural resources and problems associated with natural resources. [CO1] [Apply]
11. Discuss the role of an individual in conservation of natural resources. [CO1] [Evaluate]

UNIT II

Section A (Each carries 5 marks)
(LOT)

12. Explain the structure of an ecosystem? [CO2] [Understanding]
13. Explain the ecological pyramid and name the different types of ecological pyramids? [CO2] [Understanding]
14. Define lotic and lentic ecosystems. [CO2] [Remember]
15. What do you understand by endangered and endemic species. [CO2] [Understanding]
16. Explain the terms food chain and food web. [CO2] [Remember]

Section B (Each carries 10 marks)
(Both HOT/LOT)

17. Systematically represent the structure and function of an ecosystem and draw relationship between different components of an ecosystem. [CO2] [Analyse]
18. Explain briefly on the biotic and abiotic components of an ecosystem. [CO2] [Remember]
19. How would you explain ecological pyramid. [CO2] [Analyse]

Section C (Each carries 20 marks)
(HOT)

20. Enumerate the importance of Biodiversity. What is Red data book? Give its importance. [CO2] [Analyse]
21. Explain the energy flow in an ecosystem. Describe energy cycle in detail. [CO2] [Analyse]

UNIT III

Section A (Each carries 5 marks)
(LOT)

22. Explain Ozone layer depletion? [CO3][Understanding]
23. List out the reasons for habitat loss caused by humans? [CO3][Remember]

24. What do you understand by term bio magnification? [CO3][Understanding]
25. Explain Rainwater harvesting and its types. [CO3][Understanding]
26. Illustrate the factors responsible for climate change? [CO3][Understanding]

Section B (Each carries 10 marks)
(Both HOT/LOT)

27. Briefly explain Air prevention and control of pollution Act and Water Prevention and Control of Pollution Act. [CO3] [Apply]
28. Explain the cause, effect and control measures of a) water pollution b) soil pollution c) Noise pollution [CO3] [Understanding]
29. How you compare COD and BOD. [CO3] [Analyse]

Section C (Each carries 20 marks)
(HOT)

30. Discuss the cause, effects and control measures adopted for a) Landslides b) Cyclone c) Earthquakes [CO3][Create]
31. What are the causes, control measures and impact of air pollution? [CO3][Analyse]

UNIT IV

Section A (Each carries 5 marks)
(LOT)

32. Outline six fundamental human rights. [CO4] [Remembering]
33. Explain a) Acid Rain b) Ozone layer depletion c) Global warming d) Watershed management. [CO4][Understanding]
34. Define ILO and write its functions. [CO4][Remembering]
35. Briefly write functions of UNSECO and UNICEF. [CO4][Understanding]
36. Write a note on WHO. [CO4][Understanding]

Section B (Each carries 10 marks)
(Both HOT/LOT)

37. How can we use information and technology in the field environment? [CO4][Create]
38. Discuss the Fundamental Rights guaranteed in our Indian Constitution. [CO4][Apply]
39. Briefly explain various UN agencies that stand for humanist missions. [CO4][Understanding]

Section C (Each carries 20 marks)
(HOT)

39. Write explanatory notes on (i) Environment and Human rights (ii) Rights for women and Children in India. [CO2][Apply]
40. Discuss the constitutional provisions for Scheduled Castes, Scheduled Tribes and other marginalized groups. [CO4][Analyse]

Summary Sheet:

CO Wise

CO	Q. No	Marks
CO1	1,2,3,4,5,6,7,8,9,10,11	105
CO2	12,13,14,15,16,17,18,19,20,21	95
CO3	22,23,24,25,26,27,28,29,30,31	95
CO4	32,33,34,35,36,37,38,39,40	95
Total		390

Unit Wise

Unit	Q. No	Marks
Unit 1	1,2,3,4,5,6,7,8,9,10,11	105
Unit 2	12,13,14,15,16,17,18,19,20,21	95
Unit 3	22,23,24,25,26,27,28,29,30,31	95
Unit 4	32,33,34,35,36,37,38,39,40	95
Total		390

Blooms Taxonomy Level (BTL) Wise

BTL	Q. No	Marks
LOT	1,2,3,4,5,8,9,11,12,13,14,15,16,18,22, ,23,24,25,26,28,32,33,34,35,36,39	150
HOT	6,7,10,17,19,20,21,27,29,30,31,37,38, ,40	240
Total		390

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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.