SET-1

INDIRA UNIVERSITY, PUNE

SCHOOL OF INFORMATION TECHNOLOGY-BCA

Term End Examination (2025 Pattern) December – 2025 - Semester – I

Subject Name: - Environmental Studies **Max. Marks: 25**
Subject Code: 25BCA114T **Time: 1:30 Hrs.**

Instructions

- All Questions are Compulsory.

CO #	Cognitive Ability	Course Outcome
CO1	**Remember**	Recall basic concepts related to environmental science, including ecological principles, ecosystems, and environmental issues
CO2	**Understand**	Explain the importance of biodiversity, natural resources, and sustainability in the context of environmental conservation
CO3	**Apply**	Apply environmental science concepts to real-world issues, such as pollution control, resource management, and conservation strategies
CO4	**Analyze**	Analyse the impact of human activities on the environment and assess the consequences of environmental degradation
CO5	**Evaluate**	Evaluate environmental policies, practices, and their effectiveness in promoting sustainability and mitigating environmental issues
CO6	**Create**	Design strategies for environmental conservation and awareness, utilizing knowledge of environmental assets and local ecosystems

Q1.	Attempt all (1 mark each) **(4 Marks)** 1. A food chain begins with A) Carnivores B) Herbivores C) Producers D) Decomposers 2. In-situ conservation means A) Conserving species in natural habitat B) Conserving species outside natural habitat C) Breeding in captivity D) Planting trees in urban areas 3. The Environment Protection Act was enacted in A) 1976 B) 1986 C) 1996 D) 2006	C01

	4. Which act protects wildlife in India? A) Forest Conservation Act B) Wildlife Protection Act C) Environment Protection Act D) Water Act	
Q2.	Attempt any 1 out of 2. **(4 marks)** 1. Explain the meaning of a food chain and a food web. Describe how energy flows through different organisms in an ecosystem using these systems. Provide one clear example of a food chain and one example of a food web. 2. List the three different levels of biodiversity found in nature. Explain briefly how each level contributes to the richness and stability of life on Earth.	CO2
Q.3.	Attempt any 1 out of 2. **(4 Marks)** 1. How would you implement rainwater harvesting in your school/College or home? 2. How would you apply an existing environmental law to reduce plastic pollution in your community?	CO3
Q.4.	Attempt any 1 out of 2. **(4 Marks)** 1. Compare in-situ and ex-situ conservation strategies with examples 2. Analyze the strengths and weaknesses of your country's current pollution-control laws	C04
Q.5.	Attempt any 1 out of 2. **(4 Marks)** 1. Evaluate the impact of the Water (Prevention & Control of Pollution) Act on river conservation. 2. Evaluate the Forest Conservation Act's impact on tribal populations	C05
Q.6.	Attempt the following question . **(5 Marks)** 1. Design a plan to reduce deforestation caused by mining activities	C06

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