

Practical Plan

Name of the college: Government College of Arts, Science & Commerce, Sankhali, Goa			
Name of Faculty: Geeta Thakur		Subject: Environmental Sustainability: Natural resources and Community	
Paper code: CHC-231	Program: S.Y.BCom	Division:	
Academic year: 2025 - 2026	Semester: III	Total hrs: 15 hours	
Credits: 3			
Course Objectives: 1. To introduce the various terms encountered in environment and sustainability. 2. To explain the underlying aspects of environmental pollution, waste management and municipal water treatment. 3. To discuss the various natural resources, environmental issues, human rights and disaster management.			
Expected Course Outcome: At the end of this course, students will be able to 1. To describe the fundamentals of environment and sustainable development. 2. To discuss the significance of natural resources and biodiversity. 3. To propagate environmental education, human rights and awareness of disaster management.			
Student Learning Outcome: At the end of the course students will be able: LO1: describe the fundamentals of environment and sustainable development LO2: discuss the significance of natural resources and biodiversity LO3: propagate environmental education, human rights and awareness of disaster management			

Month	Lecture Scheduled Date	No. of Lecture planned	List of Topics	Reference books
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July	29-07-2025	1	Introduction to environment Concept and types of environment	
August	05-08-2025	1	components of environment	[1-4]
	12-08-2025	1	significance of environment for life	[1-4]
	19-08-2025	1	Objectives of environmental education	[1-4]
September	09-09-2025	1	sustainability	[1-4]
	16-09-2025	1	Ecosystems and Food Chain Definition, features	[1-4]
	23-09-2025	1	components, tropic levels	[1-4]
	30-09-2025	1	functioning,	[1-4]
October	07-10-2025	1	types of food chain	[1-4]
	14-10-2025	1	food web	[1-4]

References:

1. Bharucha, E., Textbook of environmental studies for undergraduate courses. 3rd edition, University Grants Commission, New Delhi, 2021.
2. Agrawal, K. C., Environmental biology, Agro Botannica, Bikaner,1999.
3. Chhatwal, R. J., Environmental sciences: A systematic approach,1st revised edition, UDH Publishers & Distributors (P) Ltd, New Delhi, 2009.
4. Khopkar, S.M., Environmental Pollution Analysis, 2nd edition, New Age International Limited Publishers, New Delhi, 2020.
5. Salkar, A. V., Environmental Chemistry: Pollution and Remedial Perspective, Narosa Publishing House, Navi Mumbai, 2017.

* Assessment Rubrics	
Component	Max Marks
ISA I	7.5
ISA II	7.5
SEE	60