

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa							
Name of Faculty: Ms. Alpita Sawant Dessai			Subject: Environmental Studies I				
Paper code: VAC-100			Program/Course: VAC		Division: C		
Academic year: 2025-2026			Semester: I		Total Lectures: 15		
Course Objectives:. Sensitise students to environmental conservation and sustainable use of resources, ecosystem and biodiversity							
Course Learning Outcome: Distinguish between renewable and non-renewable resources Understand different ways to manage resources sustainability Appreciate the value of bio-diversity and its management							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning Outcome	ICT Tools	Reference books
July 2025	21/07/2025	26/07/2025	01	Concept of an ecosystem	Understand about ecosystem	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
July 2025	28/07/2025	31/07/2025	01	Structure and function of an ecosystem	Understand about different functions of an ecosystem	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper

August 2025	4/08/2025	9/08/2025	01	Energy flow in the ecosystem	Importance of energy flow	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
August 2025	11/08/2025	16/08/2025	01	Ecological succession. Food chains, food webs and ecological pyramids.	Understand about energy transfer and its importance	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
August 2025	18/08/2025	23/08/2025	01	Introduction, types, characteristic features, structure and function of the following ecosystem :- a. Forest ecosystem	Understand about forests ecosystem	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
September 2025	2/09/2025	6/09/2025	01	Introduction, types, characteristic features, structure and function of the following ecosystem :- b. Grassland and Desert ecosystem	Understand about grassland and desert ecosystem	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
September 2025	8/09/2025	13/09/2025	01	Introduction, types, characteristic features, structure and function of the following ecosystem :- Aquatic ecosystem	Understand about aquatic ecosystem	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources

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September 2025	15/09/2025	20/09/2025	01	Biodiversity and its conservation Introduction – Definition : genetic, species and ecosystem diversity. Biogeographical classification of India	Understand importance of biodiversity	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
September 2025	22/09/2025	27/09/2025	01	Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values, Biodiversity at global, National and local levels.	Understand about values of biodiversity	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
September 2025	29/09/2025	30/09/2025	01	India as a mega-diversity nation IV, Hot-spots of biodiversity.	Understand about richness of India's biodiversity	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
October 2025	6/10/2025	11/10/2025	01	Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.	Understand about threats to biodiversity	PowerPoint Presentation	Erach Bharucha, Environmental studies Online sources Magazines Newspaper
October 2025	13/10/2025	18/10/2025	01	Endangered and endemic species of India, Conservation	Understand about different methods		

				of biodiversity : In-situ and Ex-situ conservation of biodiversity.	of biodiversity conservation		
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