

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa							
Name of Faculty: Shweta A. Patil			Subject: Geography- Evs				
Paper code: VAC-100			Program/Course: Bsc		Division: c		
Academic year: 2025-2026			Semester I		Total Lectures: 24		
Course Objectives:. Sensitise students to environmental conservation and sustainable use of resources							
Course Learning Outcome: Students will be able to understand the importance of environmental conservation and sustainable use of natural resources and demonstrate awareness, responsibility, and practical actions to protect ecosystems, reduce wastage, and promote equitable use of resources for present and future generations.							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning Outcome	ICT Tools	Reference books
July	14/07/2025	19/07/2025	1	Concept of an ecosystem	Students will be able to define an ecosystem and explain the interactions between living organisms and their physical environment.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	21/07/2025	26/07/2025	1	Structure and function of an ecosystem. Producers, consumers and decomposers	Students will be able to identify the biotic and abiotic components of an ecosystem, describe their roles, and differentiate between	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan

					producers, consumers, and decomposers.		
	28/07/2025	31/07/2025	1	Energy flow in the ecosystem.	Students will be able to explain how energy flows through an ecosystem, including the transfer of energy between producers, consumers, and decomposers	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	1/08/025	2/08/2025	1	Ecological succession. Food chains, food webs and ecological pyramids	Students will be able to describe ecological succession, construct food chains and food webs, and interpret ecological pyramids to understand energy distribution in ecosystems.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	4/08/2025	9/08/2025	1	Introduction, types, characteristic features, structure and function - Forest ecosystem, Grassland ecosystem	Students will be able to differentiate between forest and grassland ecosystems, describe their types, structural components, characteristic features, and ecological functions.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan

	11/08/2025	16/08/2025	1	Desert ecosystem, Aquatic ecosystems	Students will be able to describe the structure, characteristic features, types, and ecological functions of desert ecosystems and explain adaptations of plants and animals to arid conditions students will be able to differentiate between freshwater and marine ecosystems, describe their structure, types, and functions, and explain adaptations of organisms to aquatic environments.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	18/08/2025	23/08/2025	1	Biodiversity and its conservation Introduction – Definition : genetic, species and ecosystem diversity ,Biogeographical classification of India	Students will be able to define biodiversity and distinguish between genetic, species, and ecosystem diversity, explaining their importance for ecological balance and human well-being.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan

September	2/09/2025	6/09/2025	1	Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values	Students will be able to explain the biogeographical regions of India, their characteristic flora and fauna, and their ecological significance.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	8/09/2025	13/09/2025	1	Biodiversity at global, National and local levels.	Students will be able to analyze the multiple values of biodiversity, including its economic, cultural, ethical, aesthetic, and potential future benefits.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	15/09/2025	20/09/2025	1	India as a mega-diversity nation IV, Hot-spots of biodiversity. Threats to biodiversity	Students will be able to explain the distribution of biodiversity at different scales, recognize India as a mega-diverse nation, and identify key species and ecosystems contributing to its richness	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	22/09/2025	27/09/2025	1	Man-wildlife conflicts.	students will be able explain causes of man-wildlife conflicts.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
October	1/10/2025	4/10/2025	1	Conservation of biodiversity: In- situ and Ex-situ conservation of	Students will be able to differentiate	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental

				biodiversity.	between in-situ and ex-situ conservation methods and provide examples of each, highlighting their role in protecting biodiversity.		Studies. Orient BlackSwan
	6/10/2025	11/10/2025	1	Endangered and endemic species of India	Students will be able to list key endangered and endemic species of India and explain the factors contributing to their threatened status.	Board and PowerPoint Presentations	Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
	13/10/2025	18/10/2025	1	Revision			