

		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:	
Academic year: 2026-2027				Semester : I		Total Lectures: 28	
Course Objectives: 1. To explain the fundamental ecological concepts such as ecosystems, biodiversity, ecological niche and the interdependence of living organisms and their environment 2. To give an overview of sustainable development from a geographical perspective 3. To discuss the importance of biodiversity conservation for ecological stability 4. To covers key concepts and themes in sustainable development, such as economic growth, environmental protection, social equity, and political governance 5. The importance of ‘thinking ecologically’ when approaching complex environmental problems 6. To examines the challenges and opportunities of sustainable development in different regions and countries, and the role of geography in promoting sustainable development							
Course Learning Outcome: 1. Analyze the causes and consequences of environmental degradation 2. Understand the principles of balancing economic, social, and environmental dimensions for sustainability. 3. Evaluate the challenges and opportunities of sustainable development in different regions and countries 4. Develop critical thinking and analytical skills to address sustainability issues							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning Outcome	ICT Tools	Reference books
July	4/07/2026	4/07/2026	1	Definition, scope and Need for public awareness	Students will be able to... Define environmental studies.	PowerPoint Presentations	Agarwal K.C. (2001): Environmental Biology, Bikaner,

					* Explain its scope. * Describe its importance		Nidi 2. Bharucha E.: The Biodiversity of India, Ahmedabad, Mapin 3. Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan
6/07/2026	11/07/2026	2	Natural Resources: Renewable and non-renewable resources: Forest resources	3. • Differentiate renewable and non-renewable resources. * Identify major natural resources. * Explain resource-related problems. 4. Explain the importance of forests. * Describe causes and impacts of deforestation. * Assess the effects of timber extraction, mining and dams.	PowerPoint Presentations		
13/07/2026	18/07/2026	2	Water resources, Mineral resources	- Explain the importance of water resources. * Identify causes of water scarcity. * Evaluate the benefits and problems of dams. 6. Explain the uses of minerals. * Describe environmental impacts of mining.	PowerPoint Presentations		

					* Interpret relevant case studies		
	20/07/2026	25/07/2026	2	Food resources ,Energy resources, Land resources	Explain major food resource issues. * Describe impacts of modern agriculture. * Identify problems of fertilizers, pesticides and salinity. • Differentiate renewable and non-renewable energy sources. * Explain the need for alternative energy. * Discuss energy conservation. * Explain land as a resource. * Identify causes of land degradation. * Describe soil erosion, landslides and desertification.	PowerPoint Presentations	
	27/07/2026	31/07/2026	1	Role of an individual in conservation of natural resources, Equitable use of	• Explain individual responsibilities.	PowerPoint Presentations	

				resources for sustainable lifestyles.	* Practice resource conservation measures. 11. explain equitable resource use. * Promote sustainable lifestyles		
August	1/08/2026	1/08/2026	2	Concept of an ecosystem, Structure and function of an ecosystem. Producers, consumers and decomposers.	explain the concept, structure and functions of an ecosystem. 2. Ecosystem Components (Producers, Consumers and Decomposers) Differentiate the roles of producers, consumers and decomposers.	PowerPoint Presentations	
	3/08/2026	8/08/2026	2	Energy flow in the ecosystem.	Describe the flow of energy in an ecosystem.		
	10/08/2026	15/08/2026	1	Ecological succession. Food chains, food webs and ecological pyramids.	Explain the process of ecological succession.	PowerPoint Presentations	
	17/08/2026	22/08/2026	2	Forest ecosystem , Grassland ecosystem	Compare the characteristics and functions of major ecosystems.	PowerPoint Presentations	

	24/08/2026	29/08/2026	2	Desert ecosystem, Aquatic ecosystems	compare the characteristics and functions of major ecosystems.	PowerPoint Presentations	
September	01/09/2026	05/09/2026	2	genetic, species and ecosystem diversity , Biogeographical classification of India	Describe the biogeographical regions of India.	PowerPoint Presentations	
	07/09/2026	12/09/2026	2	Value of biodiversity ,Biodiversity at global, National and local levels.	Explain the ecological, economic and social values of biodiversity.	PowerPoint Presentations	
	21/09/2026	26/09/2026	2	India as a mega-diversity nation IV, Hot-spots of biodiversity,	Describe India's biodiversity richness and hotspot regions.	PowerPoint Presentations	
	28/09/2026	30/09/2026	1	Threats to biodiversity,	Identify the major threats to biodiversity.	PowerPoint Presentations	
October	1/10/2026	3/10/2026	1	Endangered and endemic species of India,	endangered and endemic species of India.		
	5/10/2026	10/10/2026	2	Conservation of biodiversity	Explain in-situ and ex-situ methods of biodiversity conservation.	PowerPoint Presentations	
	12/10/2026	14/10/2026	1	Revision			

