	Lecture Plan					
Name of the college: Government College of Arts, Science and Commerce Sanquelim Goa						
Name of Faculty: Dr Arati Panshekar	Subject: Geography (FOUNDATIONS IN PHYSICAL GEOGRAPHY)					
Paper code: GOS 100	Program: FYBSC	Division: -				
Academic year: 2024 - 2025	Semester: II	Total Lectures: 30				
Course Objectives:						
 To introduce students to the fundamental concepts and principles of physical geography To provide an overview of the major branches of physical geography and their interconnections To develop students' understanding of the structure and composition of the earth's lithosphere, atmosphere, hydrosphere and biosphere To examine the impact of human activities on the earth system and associated environmental issues To equip students with the skills necessary for spatial analysis, critical thinking, and scientific inquiry in physical geography. 						
Expected Course Outcome: By the end of this course, students should be able to: 1. Explain the meaning, definitions, nature, and scope of physical geography and identify and describe the branches of physical geography. 2. Examine and analyze the different domains of the Earth 3. Discuss and find sustainable solutions to the major environmental issues facing the earth system, 4. Identify and distinguish between different types of rocks and minerals and Create contour diagrams to understand various landforms						
Student Learning Outcome: 1. Students will develop a thorough understanding of the Earth's physical systems, including landforms, climate, weather, and ecosystems, and how these systems interact to shape the environment.						

2. Students will acquire the skills to apply fundamental physical geography concepts to real-world scenarios, enabling them to assess environmental issues such as climate change, natural hazards, and land degradation.

Mont h	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignmen t	ICT Tools	Reference books			
Decem ber	09-12-2024	14-12-2024	02	Lithosphere: Composition and structure,	Mapping, Quiz, Debate	Classroom Teaching	1. A.M. Patwardhan., (2012), 'The Dynamic Earth System', Prentice Hall India Learning Private Limited;			
	16-12-2024	21-12-2024	02	Orders of relief, Distribution of Oceans and Continents.			 2. B.S. Negi., (1993), 'Physical Geography', S.J. Publication, Meerut. 3. D.S. Lal., (1998), 'Climatology' Chaitnya publishing house, Allahabad. 			
Januar y	02-01-2025	04-01-2025	02	Atmosphere: Composition and structure, Elements of weather and climate.		4. K. Siddhartha Climate', Kisalay 5. Mishra, R.P. (Prasaranga, Uni 6. Monkhouse, I and Diagrams, M 7. R.N. Tikka., (2 Ramnath & Co, 8. Raise, Erwin (4. K. Siddhartha., (2001), 'Atmosphere, Weather and Climate', Kisalaya publication, New Delhi. 5. Mishra, R.P. (1973): Fundamentals of Cartography, 			
	06-01-2025	11-01-2025	02	Sun as A source of Energy: Insolation, Factors affecting, Global Heat Budge t/ Balance			Prasaranga, University of Mysore 6. Monkhouse, F.J.R. & Wilkinson H.R.(2000):Maps and Diagrams, Methuen &Co. London.			
	13-01-2025	18-01-2025	02	Hydrosphere: Composition and distribution, Hydrological cycle.			 7. R.N. TIKKA., (2002), Physical Geography Redarnath Ramnath & Co, Meerut. 8. Raise, Erwin (1962): Principles of Cartography, 			
	20-01-2025	25-01-2025	02	Oceans: Study of Relief & Configuration of Pacific Ocean			9. Rampal, K.K.(1993): Mapping and Compilation, Concept Publishing Co. New Delhi.			
	27-01-2025	01-02-2025	02	Oceans: Study of Relief & Configuration of Atlantic Ocean.						
	03-02-2025	08-02-2025	02	Oceans: Study of Relief & Configuration of Indian Ocean.						
Febrau ry	10-02-2025	15-02-2025	02	Biosphere: Concepts, ecosystem and their types						
	17-02-2025	22-02-2025	02	world hotspots						
	24-02-2025	01-03-2025	02	Global warming, greenhouse effect						
March	03-03-2025	08-03-2025	02	Carbon cycle, nitrogen cycle, water cycle						

	10-03-2025	15-03-2025	02	Ozone depletion, floods			
	17-03-2025	22-03-2025		Droughts, weather variations			
			02				
	24-03-2025	29-03-2025		Sea level rise, changing ecosystems			
			02				
	31-03-2025	05-04-2025		snow / glaciers melting and impact of			
April			02	pollution			
	07-04-2025	11-04-2025	02	Revision			

* Assessment

Rubrics

Componen	
t	Max Marks
ISA 1	7.5
ISA 2	7.5
Practical	25
Project	-
Semester	
End Exam	60