	Course structure U.G.Semester-1 Session 2021-22							
Month	Unit	Topic Covered	Num ber of Class es	Objective	Outcome	Teaching tools, References, etc.		
November 2021	Unit 1 : Introductio n to Environme ntal Studies	 Definition, scope and importance. Concept of sustainability and sustainable development. 	6	To develop and acquire knowledge and conceptual understanding about the subject.	Helps students understand its significance, become aware of its relevance, feel empowered to take action, think critically about information dissemination, and engage more deeply with related societal issues.	Google Meet, Google Classroom, Reference books, websites, Slides of Power Point Presentatio n.		
December 2021	Unit 2: Ecosystems Unit 3: Natural Resources: Renewable and non- renewable resources	 What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem, food chains, food webs and ecological pyramid. Natural resources and associated problems. Land resources and land-use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. 	6	To develop inquiring minds and curiosity about the assets of natural resources and appreciate the benefits of the natural resources To acquire knowledge and conceptual understanding about the physical and biological components of the ecosystem and their interactions.	Empowers students with awareness, responsibility, problem-solving skills, and a commitment to sustainable actions, ensuring the protection and preservation of our environment for current and future generation Helps students understand their structure, function, and components like producers, consumers, and decomposers. They learn about energy flow, food chains, webs, and ecological pyramids, fostering awareness, appreciation, critical thinking, and a sense of stewardship towards conserving biodiversity and maintaining healthy ecosystems.	Google Meet, Google Classroom, Reference books, websites, Slides of Power Point Presentatio n.		

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January 2022	Unit 4: Biodiversit y and its conservati on Unit 5: Environme ntal Pollution	 Levels of biological diversity: genetic, species and ecosystem diversity; biodiversity hotspots India as a mega biodiversity nation; Endangered and endemic species of India, Threats to biodiversity: Habitat loss, poaching of wildlife, manwildlife conflicts. Conservation of biodiversity: In situ and Ex situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value. Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution Nuclear hazards and human health risks Solid waste management 	8	To acquire knowledge and conceptual understanding about biodiversity and appreciate its values. To develop scientific inquiry for the threats to biodiversity and develop investigative measures to cope up the problems. To enable students to understand the main ideas and concepts of environmental pollution and apply them to solve the problems due to over utilization of the resources. To develop inquiring minds and curiosity about the proper management of urban and rural solid waste.	Equips students with an understanding of biodiversity and its value, India's rich bio-geographical diversity, the significance of biodiversity hotspots, the threats it faces, and the importance of conservation efforts. This fosters awareness, appreciation, and a sense of responsibility for preserving biodiversi ty Students cultivates awareness, knowledge, problem-solving skills, and a sense of responsibility towards environmental conservation. It empowers students to actively participate in sustainable practices and contribute to addressing environmental chall enges.	Google Meet, Google Classroom, Reference books, websites, Slides of Power Point Presentatio n.
February 2022	Unit 6: Social Issues and the Environme nt	 Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and 	2	To acquire knowledge and conceptual understanding about various legal provisions for safeguarding the environment. To enable students to understand the main ideas of issues related to enforcement of these laws.	Students enhances their understanding of environmental laws, issues, and the importance of public awareness. It empowers them to advocate for stricter enforcement and actively participate in environmental conservation	Google Meet, Google Classroom, Reference books, websites, Slides of Power Point Presentation.

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	control of Pollution)			efforts, fostering a	
	Act;			sense of	
	• Wildlife Protection			civic responsibility.	
	Act; Forest				
	Conservation Act.				
	• International				
	agreements: Montreal				
	and Kyoto protocols				
	and Convention on				
	Biological Diversity				
	(CBD)				
	PROJECTS Projects consist of 2 field work in their own locality.	3	to integrate academic knowledge with application skills at progressively higher levels of performance and responsibility.	This helps in assessing knowledge, developing skills, applying learning, receiving feedback, improving	Meet, Google Classroom, Reference books, websites, Slides of
	Assignment and MCQ based Test		To gather relevant information about student performance or progress.	academic performance, and preparing for future careers.	Power Point Presentation . MCQ in Google Form

References:

U.G. 1ST SEMESTER EXAMINATION 2021 (Assignment based) 28-02-2022

English Version

1. Essential Environmental Studies S.P. Misra, S.N. Pandey

2. A textbook of Environmental Studies Erach Bharucha

3. A textbook of Environmental Studies Dr. D.K.Asthana, Dr. Meera Asthana

Hindi Version

1. Paryavaran Adhayan Erach Bharucha

Bengali Version

1. Snatak Paribesh Shiksha Chowdhury, Giri, Santra

2. Snatak Paribesh Bidya Arindam Ghosh

3. Paribesh Dr. Anish Chattopadhyay

4. Paribesh Bidya Ahyapak N.C. Lahiri

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