Semester	II		
Course *1	Value-Added		
Paper Title	ENVIRONMENTAL EDUCATION II (V1EE230211T)		
No. of Credits *2	2		
Theory / Practical /	Theory		
Composite			
Minimum No. of	2 h		
preparatory hours per week			
a student has to devote			
Number of Modules	4		
Syllabus	 1.Energy Resources Renewable and non-renewable resources- solar, wind, geothermal, tidal, OTEC, hydro- and SHP, fossil fuels, and nuclear energy. 2. Environmental Management Policies- Concept and objectives, the evolution of Indian environmental policy. UN Conferences and commissions- UNCHE, WCED & sustainable development, UNCED, WSSD, Rio+20. International agreements: CLRTAP, Basel Convention, Convention on Biological Diversity (CBD), CITES, Cartagena Protocol, TRIPS, Vienna Convention, concept of carbon trading. International Organizations- FAO, UNEP, UNDP, IUCN. National organization- MoEFCC, PCBs. 		
	 Environment Laws- Wildlife Protection Act, 1972 Water (Prevention and Control of Pollution) Act, 1974 &Water Cess Act 1977 Forest Conservation Act,1980. Air (Prevention & Control of Pollution) Act,1981. Environment Protection Act,1986 (with subordinate Acts and Rules). Biodiversity Act, 2002. Role of National Green Tribunal. 		
	 Role of National Green Tribunal. Environmental movements: Chipko, Silent Valley, Bishnoi, Narmada Bachao Andolan, Nava Danya. Practices- Developing Environmental standards- MINAS, NAAQS, BIS, WHO, AQI, and Emission standards. 		

Γ			
	• Practices- Environmental audit & ISO 14000 certification audit.		
	Earth Hour; carbon sequestration, Green Buildings		
	 EIA (concept, objectives, principles, generic process, 		
	the concept of EIA in India).		
	 Environmental and health application of IT and AI. 3. Sustainable Development 		
	• Sustainability: Definition and emergence of the concept of sustainable development		
	• Need and relevance in the contemporary society,		
	principles of sustainable development, SDGs		
	pertaining to environmental issues		
	 Policy Initiatives for Sustainable Development in 		
	India (Swachh Bharat mission, Beti Bacho Beti		
	Padhao)		
	4. Sanitation and Health		
	• Water, Sanitation and Hygiene (WASH): Concept,		
	Meaning, Principles, and Practices		
	• Sanitation: Meaning, Concept, and Applications. Institutional Sanitation.		
	Health: Concept and Meaning. Determinants of Health and Well-being. Public Health and		
	 Community Health. Human population growth: impacts on environment, 		
	human health and welfare, Family Welfare		
	Programme (FWP) • Hygiene: Concept, Meaning, Principles, and		
	Importance. Types of Hygiene: Personal, Food, and		
	Community. Standard Hygiene Practices		
Learning Outcomes *3	1. Recognize the environmental problem and their		
Learning Outcomes	impacts on human and environment		
	2. Apply the gained knowledge for environmental		
	protection		
	3. Demonstrate a multidisciplinary approach to deal		
	with environmental issues		
	4. Develop critical thinking skill and ability to integrate		
	the disciplines related to environmental concerns.		
	5. Formulate sustainable solutions towards local and		
	global problems		
Reading/Reference Lists *4	SUGGESTED TEXT BOOKS/ READING		
	MATERIALS:		
	1. Mitra, A. K and Chakraborty, R., Introduction to		
	Environmental Studies, Book Syndicate, 2016.		
	2. Basu, M. and Xavier, S., Fundamentals of		
	Environmental Studies, Cambridge University Press,		
	2016.		
L			

	3. Enger, E. and Smith, B., Environmental Science: A Study of Interrelationships, Publisher: McGraw-Hill Higher Education; 12th edition, 2010.	
	 Suggested readings: Harris, P. G. (Ed.). (2014). Routledge Handbook of global environmental politics. New York: Routledge. Rosencranz, A., Divan, S., & Noble, M. L. (2001). Environmental law and policy in India. Sengupta, R. 2003. Ecology and Economics: An approach to sustainable development. Glasson, J., & Therivel, R. (2013). Introduction to environmental impact assessment. Routledge. Twidell, J. (2021). Renewable energy resources. Routledge. Kruger, P. (2006). Alternative energy resources: the quest for sustainable energy. Hoboken: Wiley. 	
Evaluation	Theory CIA: 15 20 (scaled down to 10) 3 (Assignment) 2 (Attendance) Semester Exam: 35	Practical (if applicable) CA: NA Semester Exam: NA
Paper Structure for Theory Semester Exam	Full marks:35	Time: 1 h 30 mins
Theory Semester Exam	Paper: ENVIRONMENTAL EDU	ICATION II
	SECTION-A 20 MULTIPLE CHOICE QUESTIONS (20 X 0.5=10)	
	SECTION-B SHORT ANSWER TYPE QUESTIONS: 10 OUT OF 12 QUESTIONS (10 X1 =10)	
	SECTION-C LONG ANSWER TYPE QUESTIONS 3 OUT OF 6 QUESTIONS (3 X5= 15	