

Lecture Plan -ENVIRONMENTAL STUDIES

Text Book		Environmental and Pollution Awareness by Sharma BR; Satya Prakashan, NewDelhi.			
		Environmental Science by Deswal and Deswal; Dhanpat Rai and Co. (P) Ltd. Delhi			
Course		DIPLOMA	Branch	CIVIL/ME	Semester
Paper code:					ENVIRONMENTAL STUDIES
Lecture No.	Topics to be covered	Learning Objective		Books	Mode of Teaching
1	Basics of ecology, eco system- concept, structure and importance of ecosystem, Carbon, Nitrogen, Sulphur cycle. Sustainable development	The student will learn about Basics of ecology, eco system- concept, structure and importance of ecosystem, Carbon, Nitrogen, Sulphur cycle. Sustainable development		Text Books	White Board/PPT
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4	Conservationoflandreforms.preservationofspecies.preventionofadvancementof desertsandloweringof watertable, rain water harvesting, Acid Rain, maintenance of ground water, Water supply engineering, Deforestation – its effects and control measures.	The student will learn about Conservationoflandreforms.preservationofspecies.preventionofadvancementof desertsandloweringof watertable, rain water harvesting, Acid Rain, maintenance of ground water, Water supply engineering, Deforestation – its effects and control measures.		Text Books	White Board/PPT
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8	Pollution: Sources of pollution - natural and man made. Classification of pollutants, Causes, effects and control measures of pollution (air, water, noise, soil, radioactive and nuclear). Prevention of Pollution: Introduction to Cleaner Production Technologies, physical, chemical and biological treatment of pollutants, photocatalytic dearradation of pollutants. Waste Minimization Techniques –	The student will learn about Pollution: Sources of pollution - natural and man made. Classification of pollutants, Causes, effects and control measures of pollution (air, water, noise, soil, radioactive and nuclear). Prevention of Pollution: Introduction to Cleaner Production Technologies, physical, chemical and biological treatment of pollutants.		Text Books	White Board/PPT
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44	Eco-friendly Material: Recycling of Material, Concept of Green Buildings	The student will learn about Eco-friendly Material: Recycling of Material, Concept of Green Buildings	Text Books	White Board/PPT
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Note for Faculty: Any variation in Lecture plan and actual syllabus coverage is to be notified to HOD/Principal with valid reason and measures to cover that variation.