

Lesson Plan & Work-done Diary for AY: 2026-27, Odd Semester

Course with Code: CONSERVATION OF NATURAL RESOURCES (BCV755B)				Faculty: Dr. Jyothi D N			Semester: 7 th Sem	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Bridge course- Introduction to conservation of natural resources, natural resources, Types of natural resources.	PPT					
2		Land as a resource, types of lands	PPT					
3		Conservation of land forms, deforestation, effect of land use changes.	PPT					
4		Soil health, ecological importance of soil.	PPT					
5		Economic importance of soil, impact of soil degradation on agriculture	PPT					
6		Impact of soil degradation on food security, need for soil conservation.	PPT					
7		Sustainable land use planning.	PPT					

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MODULE-2								
8		Water: Global water resources, Indian water resources, Resources system planning	PPT					
9		Water use sectors- domestic, industrial, agriculture.	PPT					
10		Water deficit and water surplus basins in India, equitable distribution	PPT					
11		Inter-basin water transfers, Interlinking of rivers – Himalayan component	PPT					
12		Peninsular component, issues involved.	PPT					
13		Ground water, its potential in India	PPT					
14		Conjunctive use, recharge of ground water	PPT					
15		Contamination of ground water, sea water ingress, problems and solutions.	PPT					

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MODULE-3								
16		Air: Introduction, composition	PPT					
17		Sources and classification of air pollutants	PPT					
18		National Ambient Air quality standards (NAAQS), Air quality index,	PPT					
19		Effects of air pollution on human health	PPT					
20		Economic effects of air pollution	PPT					
21		Control of air pollution by equipment, smoke and its control	PPT					
22		Ozone depletion –impacts, photochemical changes	PPT					



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MODULE-4								
23		Biodiversity: Introduction, Flora and Fauna, Importance of biodiversity	PPT					
24		Economic values-medicinal plants, drugs, fisheries biogeochemical cycling.	PPT					
25		Threat to biodiversity, natural & anthropogenic disturbance, habitat loss	PPT					
26		Conservation of biodiversity, National parks,	PPT					
27		Wild life sanctuaries, zoological gardens, gene banks, pollen culture	PPT					
28		Ecological restoration, social forestry.	PPT					
29		Ecosystem: Definition, Types: forest, grass land	PPT					
30		Marine, desert, wetlands, estuarine, lotic, lentic.	PPT					
31		Abiotic & biotic components of ecosystem.	PPT					

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MODULE -5								
32		Global warming: concept, indicators	PPT					
33		Global Warming - factor and effects	PPT					
34		Global climate change-indicators, health impacts	PPT					
35		Global climate change- effect on biodiversity.	PPT					
36		Introduction to global efforts in conservation of biodiversity	PPT					
37		EIA regulations in India, status of EIA in India	PPT					
38		list of projects needing environmental clearance under EIA notifications	PPT					
39		Case study of hydro power/ thermal power projects	PPT					
40		Case study of hydro power/ thermal power projects	PPT					

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	2 Assignment/Topic seminar with group assignment		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	