

Lesson Plan/ Course Break – up

PCC-CVE208-T ENVIRONMENTAL ENGINEERING

Name of the Faculty	:	Mr. Manik Goyal
Discipline	:	B.Tech in Civil Engineering
Semester	:	IV (2nd Year)
Subject	:	Environmental Engg.
Lesson Plan Duration	:	15 Weeks
Work Load (Lecture / Practical) per week (in hrs.)		Lectures – 03

Week	Theory	
	Lecture Day	Topic (Including assignment / Test)
1 st	1	Water: Water Supply systems: Need for planned water supply schemes
	2	Sources of Water, Water demand and Potable
	3	Industrial and agricultural water requirements
2 nd	4	Components of water supply system
	5	Transmission of water, Distribution system
	6	Various valves used in W/S systems
3 rd	7	Service reservoirs and design
	8	Conveyance of sewage: Sewers
	9	Shapes design parameters
4 th	10	Operation and maintenance of sewers
	11	Sewage pumping; Sewerage , Sewer appurtenances
	12	Design of sewerage systems
5 th	13	Storm Water: Quantification and design of Storm water
	14	Sewage and Sludge
	15	Pollution due to improper disposal of sewage
6 th	16	National River cleaning plans
	17	Recycling of sewage –quality requirements for various purposes.
	18	Air : Composition and properties of air
7th	1st Minor Test	
8 th	19	Air : Composition and properties of air
	20	Quantification of air pollutants
	21	Monitoring of air pollutants
9 th	22	Monitoring of air pollutants
	23	Air pollution – Occupational hazards
	24	Urban air pollution: automobile pollution
10 th	25	Chemistry of combustion
	26	Automobile engines
	27	Quality of fuel
11 th	28	Operating conditions and interrelationship
	29	Operating conditions and interrelationship
	30	Air quality standards
12 th	31	Control measures for Airpollution
	32	Control measures for Airpollution

	33	Construction and limitations	
13 th	34	Construction and limitations	
	35	Noise: Basic concept	
	36	Measurement	
14th	2nd Minor test		
15 th	37	Effects and various control methods	
	38	Effects and various control methods	
	39	Case studies on Pollution(Air, Water, Noise)	