

Lesson Plan

Name of the Faculty: Vandana yadav

Discipline: Mechatronics Engg.

Semester:6th

Subject:Environmental studies

Lesson Plan Duration: 15 weeks (from January, 2018 to April, 2018)

Week	Theory	Work Load (Lecture/Practical) Per Week (in hours): Lecture - 03, Tutorial – 01, Practical – 02	Practical	
	Lecture Day	Topic including Assignment/Test)	Practical Day Topic	
1	1	Multidisciplinary nature of environmental studies.	-	-
	2	Definition,scope and importance ,need of public awareness .	-	
	3	Natural resources, forest resources	-	
2	1	Water resources	-	-
	2	Mineral resources	-	
	3	Energy resources, Land resources		
3	1	Ecosystem-concept,structure,function of ecosystem.		-
	2	Assignment		
	3	Introduction,types,characteristic feature of forest ecosystem		
4	1	Grassland ecosytem		-
	2	Desert ecosystem		
	3	Aquatic ecosystem		
5	1	Revision		-
	2	Food chain, food web		
	3	Ecological pyramids		
6	1	Recapitulation		-
	2	Bio-diversity and its conservation		
	3	Genetics, species		
7	1	Biogeographical classification of india		-
	2	Value of biodiversity		
	3	Consumptive and productive use		
8	1	Assignment		-
	2	Social,Ethical,aesthetic use of bio-diversity		

	3	India as a megadiversity nation		
9	1	Hot- spot of bio-diversity		-
	2	Threats to bio-diversity		
	3	In-situ and ex-situ conservation of bio-diversity.		
10	1	Environmental pollution.		-
	2	Air and water pollution		
	3	Soil and marine pollution		
11	1	Recapitulation		-
	2	Noise and thermal pollution		
	3	Nuclear hazards		
12	1	Solid waste management		-
	2	Role of individual in prevention of pollution		
	3	Disaster management, earthquake,cyclone and landslides		
13	1	Assignment		-
	2	Social issues and the environment		
	3	Unsustainable to sustainable development		
14	1	Environment ethics and possible solution		-
	2	Global warming, acid rain, ozone layer depletion		
	3	Environment protection acts		
15	1	Human population and the environment,HIV AIDS		-
	2	Women and child welfare		
	3	Role of IT in environment and human health.		