

BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSON PLAN/SEMESTER-3RD/CSE

SUBJECT- EVS

THEORY-5

NAME OF THE FACULTY- P. PANDA

Sl. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
01	SEPT/08	CH-1	20/09/2022	1. The Multidisciplinary nature of environmental studies 2. 1.1 Definition, scope and importance.	4	2
			21/09/2022	1.2 Need for public awareness.		
		CH-2	22/09/2022	2. Natural Resources: Renewable and non-renewable resources: a) Natural resources and associated problems 2.1.1. Forest resources: Use and over-exploitation, deforestation	10	7
			23/09/2022	case studies, Timber extraction mining ,dam sand their effects on forests and tribal people		
			27/09/2022	.2.1.2. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.		
			28/09/2022	2.1.3. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources		
			29/09/2022	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity,.		
			30/09/2022	2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.		

Sl. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
02	OCT/12	CH-3	11/10/2022	2.1.6. Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification. b) Role of individual in conservation of natural resources.	8	6
			12/10/2022	3. Systems: 3.1. Concept of an eco-system.3.2. Structure and function of an eco-system.		
			13/10/2022	3.3. Producers, consumers, decomposers. 3.4. Energy flow in the eco systems		
			14/10/2022	3.5. Ecological succession. 3.6. Food chains,		
			18/10/2022	food webs and ecological pyramids.		
			19/10/2022	3.8. Forest ecosystem		
			20/10/2022	3.9. Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).		
		CH-4	21/10/2022	4. Biodiversity and it's Conservation: 4.1. Introduction-Definition: genetics, species and ecosystem diversity.	8	5
			25/10/2022	4.2. Biogeographically classification of India.		
			26/10/2022	4.3. Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.		
			27/10/2022	4.4. Biodiversity at global, national and local level.		
			28/10/2022	4.5. Threats to biodiversity:Habitats loss, poaching of wild life, man wildlife conflicts.		

Sl. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan	
03	NOV/14	CH-5	01/11/2022	5. Environmental Pollution: 5.1. Definition Causes, effects and control measures of: a) Air pollution. b) Water pollution. c) Soil pollution d) Marine pollution e) Noise pollution. f) Thermal pollution g) Nuclear hazards.	12	10	
			02/11/2022				
			03/11/2022				
			04/11/2022				
			09/11/2022				
			10/11/2022				
			11/11/2022				
			22/11/2022				5.2. Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
			23/11/2022				5.3. Role of an individual in prevention of pollution.
			24/11/2022				5.4. Disaster management: Floods, earth quake, cyclone and landslides.
		25/11/2022	6. Social issues and the Environment: 6.1. Form unsustainable to sustainable development. 6.2. Urban problems related to energy	10	8		
		29/11/2022	6.3. Water conservation, rain water harvesting, water shed management.				
		30/11/2022	6.4. Resettlement and rehabilitation of people; its problems and concern				

Sl. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
04	DEC/10	CH-6	01/12/2022	6.5. Environmental ethics: issue and possible solutions.	8	5
			02/12/2022	6.6. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents		
			06/12/2022	6.7. Air (prevention and control of pollution) Act.		
			07/12/2022	6.8. Water (prevention and control of pollution) Act.		
			08/12/2022	6.9. Public awareness.		
		CH-7	09/12/2022	7. Human population and the environment: 7.1. Population growth and variation among nations.		
			13/12/2022	7.2. Population explosion- family welfare program.		
			14/12/2022	7.3. Environment and human health.		
			15/12/2022	7.4. Human rights. 7.5. Value education		
			16/12/2022	7.6. Role of information technology in environment and human health.		
TOTAL					60	43

Brief Summary of the Plan

Sl. no	Month	Units/Chapter To be Covered	Percentage of Coverage
1	SEPT	CH-1,CH-2	30%
2	OCT	CH-3,CH-4	20%
3	NOV	CH-5,CH-6(50%)	35%
4	DEC	CH-6,CH-7	15%

Signature of the Faculty

Date 13/9/22

P. Panda
13/9/22

Signature of the Principal

Date