

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

SUBJECT: ENVIRONMENTAL STUDIES (TH 5)

FACULTY: SMT. JYOTIPRAVA SINGH

ACCADEMIC SESSION: 2022-23

SEMESTER: 3RD

SEC: B

Sd/-

H O D (Civil Engg.)

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
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Discipline: Civil Engineering	Semester: 3RD		Name of the Teaching faculty: SMT. JYOTIPRAVA SINGH
Subject: ENVIRONMENTAL STUDIES(TH-05)	No. of Days/ per week class allotted: 04 periods per week. Tue-1,Wed-1,Thu-1, Fri-1		Semester From Date: 15-09-2022 To Date: 22-12-2022 No. of weeks: 14weeks
Week	Date	No of period available	Topics to be covered
1ST	15/09/2022	1	1.1 Introduction & Definition
	16/09/2022	1	1.2 Scope & importance 1.3 Need for public awareness
2ND	20/09/2022	1	2.1 Natural resources & associated problems
	21/09/2022	1	2.2 Forest Resources
	22/09/2022	1	2.3 Water Resources 2.4 Mineral Resources
	23/09/2022	1	2.5 Food Resources 2.6 Energy Resources
3RD	27/09/2022	1	2.7 Land Resources
	28/09/2022	1	2.8 Role of Individuals in conservation of natural resources. Equitable use of resources for sustainable life style.

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	29/09/2022	1	Question & Answer session
	30/09/2022	1	3.1 Concept of Ecosystem
4TH	11/10/2022	1	3.2 Structure and function of Ecosystem
	12/10/2022	1	3.3 Producers , consumers, Decomposers
	13/10/2022	1	3.4 Energy flow in the Ecosystem
	14/10/2022	1	3.5 Ecological Succession
5TH	18/10/2022	1	3.6 Food chain, Food web,& Ecological pyramids
	19/10/2022	1	3.7 Introduction. Types, characteristics, features, structures & function of the various ecosystem 3.9 Aquatic Ecosystem
	20/10/2022	1	Question & Answer session
	21/10/2022	1	4.1 Introduction, definition Genetics, species & ecosystem diversity
6TH	25/10/2022	1	4.2 Biogeographically classification of India
	26/10/2022	1	4.3 Value of Bio diversity
	27/10/2022	1	4.4 Biodiversity at global, national & local level
	28/10/2022	1	Monthly Test-1
7TH	01/11/2022	1	4.5 Threats to Biodiversity
	02/11/2022	1	Question & Answer session
	03/11/2022	1	5.1 Air pollution
	04/11/2022	1	5.2 Water pollution

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8TH	09/11/2022	1	5.3 Soil pollution
	10/11/2022	1	5.4 Marine Pollution
	11/11/2022	1	5.5 Noise Pollution
9TH	15/11/2022	1	Internal Exam
	16/11/2022	1	Internal Exam
	17/11/2022	1	5.6 Thermal pollution
	18/11/2022	1	5.7 Nuclear hazard
10TH	22/11/2022	1	Solid waste management: Causes , effects and control measures of urban and industrial waste
	23/11/2022	1	Role of an Individual in prevention of pollution Disaster management
	24/11/2022	1	Question & Answer session
	25/11/2022	1	Monthly Test-2
11TH	29/11/2022	1	6.1 From unsustainable to sustainable development 6.2 Urban problems related to Energy
	30/11/2022	1	6.3 Water Conservation, Rain water harvesting, water shed management
	01/12/2022	1	6.4 Environmental Ethics
	02/12/2022	1	6.5 Climate change, Global warming, Acid rain, Ozone layer Depletion

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12TH	06/12/2022	1	6.6 Air Act, 6.7 Water Act
	07/12/2022	1	6.8 Public Awareness
	08/12/2022	1	Question & Answer session
	09/12/2022	1	7.1 Population Growth & Variation among nations
13TH	13/12/2022	1	7.2 Population Explosion- family welfare program
	14/12/2022	1	7.3 Environmental & Human Health 7.4 Human rights
	15/12/2022	1	Monthly test-3
	16/12/2022	1	7.5, Value education
14TH	20/12/2022	1	7.6 Role of information technology in environment and human health
	21/12/2022	1	Revision
	22/12/2022	1	Question & Answer session