

# BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

**SIVARAM VIHAR, GHATAKESWAR HILLS  
MOHADA, BERHAMPUR (GM.)**



## STUDENT'S ATTENDANCE REGISTER

Time	9.05	11.35	12.25		
Day	9.55	12.25	01.15		
Mon	✓				
Tue			✓		
Wed		✓			
Thu					
Fri		✓			
Sat					

Year/ Session : 2023 (winter)

Semester from Date: 01/08/2023 To Date : 30/11/2023

Semester & Branch

3rd Semester & ETC Engg.

Subject with Code

Environmental studies (Th-5)

Name of the Faculty Member

Hingoraj Pradhan.

No of Weeks:

No of Days per Week Class Allotted : 04 classes.

# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic
A U G U S T	1st	01.08.23 02.08.23	<u>UNIT-1</u> THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES:- <hr/> 1.1) Definition, scope and Importance.
		04.08.23	1.2) Need for public awareness.
	2nd	07.08.23 08.08.23	<u>UNIT-2</u> NATURAL RESOURCES:- <hr/> Renewable and non renewable resources:- 2.1) Natural resources and associated problems:- 2.1.1) Forest-resources:- use and over-exploitation, deforestation, case studies, Timber extraction, Mining, dams and their effects on forests and tribal people.

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today*

nature of the Faculty:

*Pradip  
11/8/23*

Signature of the Principal/Course Co-ordinator/HOD:

*Pradip  
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# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	Month
A	2nd	09.08.23 11.08.23	2.1.2) Water Resources:- use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problem.	A
G	3rd	14.08.23 16.08.23	2.1.3) Mineral Resources:- use and exploitation, environmental effects of extracting and using mineral resources.	G
U	4th	18.08.23 21.08.23	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.	S
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Month	Week	Class Day	Theory/Practical Topic
A	4th	22.08.23	2.1.5) Energy Resource :-
		23.08.23	Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
	25.08.23	2.1.6) Land Resource :- Land as a resource, land degradation, Man induce land slides, soil erosion and desertification.	
	28.08.23		
G	5th	29.08.23	2.2) Role of individual in Conservation of natural resources.
			2.3) Equitable use of resources for sustainable life styles.
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# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	Month
S			<u>UNIT - 3</u>	S
E			SYSTEMS :- <i>minimum</i>	E
P	1st	01.09.23	3.1) Concept of an ecosystem.	P
T			3.2) Structure and function of an ecosystem.	T
E		04.09.23	3.3) Producers, Consumers, Decomposers.	E
M	2nd	05.09.23	3.4) Energy flow in the ecosystems.	M
B		08.09.23	3.5) Ecological succession.	B
E	3rd	11.09.23	3.6) Food chains, Food webs and ecological pyramids.	E
R				R

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Month	Week	Class Day	Theory/Practical Topic
S E P	3rd	12.9.23	3.7) Int-rodution, types, characterstic features, structure and function of the following ecosystem.
		13.9.23	
		15.9.23	
T E M			3.8) Forest ecosystem.
B E R			3.9) Aquatic ecosystems (Ponds, streams, lakes, rivers, oceans, estuaries).

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Month	Week	Class Day	Theory/Practical Topic	Month
S			<u>UNIT-4</u>	
E			<u>BIODIVERSITY AND ITS CONSERVATION</u>	O
P	4th	18.9.23	4.1) Introduction - Definition - Genetic, Species and ecosystem diversity.	C
T				
E		22.9.23	4.2) Biogeographically classification of India.	T
M		25.9.23	4.3) Value of biodiversity:-	
	5th	26.9.23	Conceptive use, Productive use, social, ethical, aesthetic and option values.	O
B				B
E		27.9.23	4.4) Biodiversity at Global, National and Local level.	E
R				B

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Month	Week	Class Day	Theory/Practical Topic
O C	1st	3.10.23	4.5) Threats to Biodiversity:- Habitat loss, Poaching of wild life, Man wildlife conflicts.
		4.10.23	
		6.10.23	<u>UNIT-5</u> ENVIRONMENTAL POLLUTION
T O B	2nd	9.10.23	5.1) Definition, Causes, effects and control measures of :-  5.1.1) Air Pollution,  5.1.2) Water Pollution,  5.1.3) Soil Pollution,
		10.10.23	
		11.10.23	
E B	3rd	13.10.23	5.1.4) Marine Pollution.
		16.10.23	

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Month	Week	Class Day	Theory/Practical Topic	nth	W
O C T O B E R	3rd	17.10.23	5.1.5) Noise Pollution	2	
		18.10.23	5.1.6) Thermal Pollution	O	
	5th	20.10.23	5.1.7) Nuclear Hazards.	V	
		31.10.23	5.2) Solid waste Management :- Causes, effects and control measures of carbon and industrial wastes.	E	M
N O V E M B E R	1st	01.11.23	5.3) Role of an individual in prevention of pollution	B	
		0.3.11.23	5.4) Disaster Management: Floods, Earth Quake, cyclone and landslides.	E	B

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Month	Week	Class Day	Theory/Practical Topic
N			<u>UNIT-6</u>
E			Social issues and the Environment
V			6.1) Forum constrains to sustainable development.
E		6.11.23	6.2) Urban problems related to energy.
M	2nd	7.11.23	6.3) Water Conservation, Rain water harvesting, water shed Management.
B			6.4) Resettlement and Rehabilitation of people; its problems and concern.
E		8.11.23	
B		10.11.23	6.5) Environmental ethics:- issues and possible solutions.

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Month	Week	Class Day	Theory/Practical Topic
N	3rd	13.11.23	6.6) climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.
O		14.11.23	
V		15.11.23	6.7) Air (Prevention and control of pollution) Act.
E			6.8) Water (Prevention and control of pollution) Act.
M		17.11.23	6.9) Public awareness.
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# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic
			<u>UNIT-7</u>
N			HUMAN POPULATION AND THE ENVIRONMENT
O		20.11.23	7.1) Population growth and variation among nations.
V	4th	21.11.23	7.2) Population explosion - family welfare program.
E		22.11.23	7.3) Environment and human health.
M		24.11.23	7.4) Human Rights.
B		28.11.23	7.5) Value education.
E	5th	29.11.23	7.6) Role of information technology in environment and human health.
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