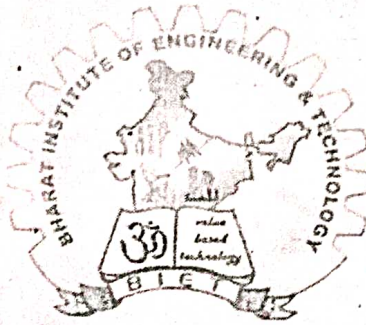


# BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

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



## STUDENT'S ATTENDANCE REGISTER

| Time | 9.05 | 9.55  | 11.30 | 12.25 |  |
|------|------|-------|-------|-------|--|
| Day  | 9.55 | 10.45 | 12.25 | 1.15  |  |
| Mon  |      |       |       | ✓     |  |
| Tue  |      |       |       |       |  |
| Wed  |      | ✓     |       |       |  |
| Thu  |      |       |       |       |  |
| Fri  | ✓    |       |       |       |  |
| Sat  |      |       | ✓     |       |  |

Year/ Session : 2023 (winter)

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

Semester & Branch

*3<sup>rd</sup> Sem & Civil*

Subject with Code

*Th-05 Environmental Studies.*

Name of the Faculty Member

*Monalisa Parola*

No of Weeks:

No of Class Allotted/Week :



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

| Month  | Week | Class Day | Theory/Practical Topic  |
|--------|------|-----------|---|
| August |      | 2.8.23    | 1) The multidisciplinary nature of <u>environmental studies</u> :-  |
|        |      | 4.8.23    | 2) Definition, scope and importance.  |
|        |      | 5.8.23    | 3) Need for public awareness.   |
| August |      | 7.8.23    | 2) <u>Natural resources</u> :-<br>→ Natural resources & associated problems.  |
|        |      | 9.08.23   | → Forest resources :-<br>use & over exploitation, deforestation, case studies, timber extraction mining, dams & their effects on forests and tribal people. |
| August |      | 12.08.23  | → Water resources :-<br>Use & over utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.             |

Signature of the Faculty:

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



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

| Month  | Week | Class Day | Theory/Practical Topic   |
|--------|------|-----------|--|
| August |      | 14.08.23  | → Mineral resources:-<br>use & exploitation, environmental effects of extracting & using mineral resources.  |
|        |      | 16.08.23  | → Food resources:-<br>World food problems, changes caused by agriculture and over grazing; effects of modern agriculture, fertilizers - pesticide problem, water logging, salinity |
|        |      | 18.08.23  | → <u>Energy Resources</u> :-<br>Growing energy need, renewable & non renewable energy sources, use of alternate energy sources, case studies.                                      |
|        |      | 19.08.23  | → <u>Land resources</u> :-<br>Land as a resources, land degradation, man induced, land slides, soil erosion & desertification  |

August

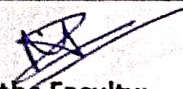
Signature of the Faculty:

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



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

| Month     | Week | Class Day | Theory/Practical Topic   |
|-----------|------|-----------|--|
| August    |      | 21.08.23  | Role of individual in conservation of natural resources.                                   |
|           |      | 23.08.23  | Equitable use of resources for sustainable life styles.                                    |
|           |      |           | 3) <u>Systems</u>  |
|           |      | 25.08.23  | → Concept of an ecosystem.<br>→ Structure & function of an ecosystem.                      |
|           |      | 26.08.23  | → Producers, consumers & decomposers.  |
|           |      | 28.08.23  | → Energy flow in the ecosystems.<br>→ Ecological succession.                               |
|           |      | 1.09.23   | → Food chains, food webs & ecological pyramids.  |
| September |      | 2.09.23   | → Introduction, types, characteristic features, structure & function of the following eco- |
|           |      | 4.09.23   | system.  |
|           |      | 8.09.23   | → Terrestrial ecosystem  |
|           |      | 9.09.23   | → aquatic ecosystem.   |

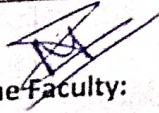
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# B.I.E.T., COURSE PLAN

| Month     | Week | Class Day | Theory/Practical Topic   |
|-----------|------|-----------|--|
| September |      |           | 4) <u>Biodiversity</u> & <u>its conservation</u>   |
|           |      | 11.09.23  | i) Introduction, definition, genetics, species, and ecosystem diversity.                                   |
|           |      | 13.09.23  |  |
|           |      | 15.09.23  | ii) Biogeographically classification of India.   |
|           |      | 16.09.23  | iii) Value of biodiversity: consumptive use, productive use, social ethical, aesthetic, and option values. |
| September |      | 18.09.23  | iv) Biodiversity at global: national & local level   |
|           |      | 22.09.23  | v) Threats to biodiversity: habitats loss, poaching of wild life, Man wildlife conflicts.                  |
|           |      | 23.09.23  |  |


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

| Month     | Week     | Class Day | Theory/Practical Topic   |
|-----------|----------|-----------|--|
| September |          |           | 5) <u>Environmental pollution</u>  |
|           |          | 25.09.23  | i) Definition causes, effects and control measures of  |
|           |          | 27.09.23  | ii) Air pollution  |
|           |          |           | iii) Water pollution   |
|           |          | 29.09.23  | iv) Soil pollution   |
|           |          |           | v) Marine pollution  |
|           |          | 30.09.23  | vi) Noise pollution  |
| October   |          |           | vii) Thermal pollution   |
|           |          | 4.10.23   | viii) Nuclear hazards  |
|           |          | 6.10.23   | → Solid waste Management: Causes, effects and control measures of urban & industrial wastes. |
|           |          | 7.10.23   |  |
|           |          | 9.10.23   | → Role of an individual in Prevention of pollution.  |
|           | 10.10.23 |           |  |


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

| Month     | Week     | Class Day | Theory/Practical Topic   |
|-----------|----------|-----------|--|
| September |          |           | 5) <u>Environmental pollution</u>  |
|           |          | 25.09.23  | i) Definition causes, effects and control measures of.                                       |
|           |          | 27.09.23  | ii) Air pollution  |
|           |          |           | iii) Water pollution   |
|           |          | 29.09.23  | iv) Soil pollution   |
|           |          |           | v) Marine pollution  |
|           |          | 30.09.23  | vi) Noise pollution  |
| October   |          |           | vii) Thermal pollution   |
|           |          | 4.10.23   | viii) Nuclear hazards  |
|           |          |           | → Solid Waste Management: Causes, effects and control measures of urban & industrial wastes. |
|           |          | 6.10.23   |  |
|           |          | 7.10.23   | → Role of an individual in prevention of pollution.  |
|           | 9.10.23  |           |  |
|           | 10.10.23 |           |  |

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

| Month   | Week | Class Day | Theory/Practical Topic   |
|---------|------|-----------|--|
| October |      | 11.10.23  | 7 Disaster Management  |
|         |      | 13.10.23  | flood<br>earthquake  |
|         |      | 16.10.23  | cyclone & landslides   |
| October |      |           | 6) <u>Social issues and the environment</u>                          |
|         |      | 18.10.23  | 8) From unsustainable to sustainable development.                    |
|         |      | 30.10.23  | 11) urban problems related to energy.                                |
|         |      | 31.10.23  | 11) Water conservation, rain water harvesting, water shed management |
|         |      | 1.11.23   | 11) Resettlement & Rehabilitation of people, its problem & concern.  |

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

| Month    | Week | Class Day | Theory/Practical Topic   |
|----------|------|-----------|--|
| November |      | 3.11.23   | v) Environmental ethics : issue & possible solutions .   |
|          |      | 4.11.23   | vi) Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies. |
|          |      | 6.11.23   | vii) Air (prevention & control of pollution) Act .   |
|          |      | 8.11.23   | viii) Water (prevention & control of pollution) Act .  |
|          |      |           | ix) Public awareness .   |
| November |      |           | x) <u>Human population &amp; the environment</u>   |
|          |      | 10.11.23  | xi) Population growth & variation among nations .  |
|          |      | 11.11.23  | xii) Population explosion - Family   |

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

| Month    | Week | Class Day | Theory/Practical Topic   |
|----------|------|-----------|--|
| November |      | 13.11.23  | Welfare program<br>iv. Environment & human health                  |
|          |      | 15.11.23  | iv Human rights  |
|          |      | 17.11.23  | iv Value education   |
|          |      | 18.11.23  | iv Role of information technology in environment and human health. |

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