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| **AECC-BHMCT-2 ENVIRONMENTAL & ECOLOGICAL PRACTICES IN HOTELS**  **Credits –02**  **External Marks -32**  **Internal Marks -08**  **Total Marks -40** | | |
| **COURSE OBJECTIVES:**   * Co 1 Define the meaning, scope & importance of environmental studies in hotel industry. * Co 2 Explain & illustrate the importance of ecology & ecosystems. * Co 3 Solve the problem of environment pollution. * Co 4 Create the awareness about impact of human population on environment. | | |
| **UNIT- I** | Environmental studies – meaning – scope – importance | CO 1 |
| **UNIT- II** | Ecology and Ecosystems, Biodiversity and its Conservation, and Natural resources – meaning of ecology – structure and function of an ecosystem – producers – consumers – decomposers – energy flow in the ecosystem – ecological succession- food chain – food webs and ecological pyramids . Ecosystem – concept– types of ecosystems – structure and functions of forest ecosystem, grass land ecosystem- desert ecosystem, aquatic ecosystem. Biodiversity and its conservation- introduction- definition- genetic, species and ecosystem diversity- value of biodiversity- biodiversity at global, national and local levels- India as a mega- diversity nation- hot- spots of diversity- threats to diversity- conservation of diversity in in- situ, excitu. Natural resources- features- air resources, forest resources, water resources, mineral resources, food resources- energy resources, land resources- over exploitation of natural resources- consequences- conservation of natural resources- role of an individual in conservation of natural resources. | **CO 2, CO 3** |
| **UNIT-III** | Hotel Industry and environment pollution  Environmental pollution – soil pollution – air pollution – water pollution – thermal pollution – noise pollution – causes, effect and control measures –  Waste management in Hotels – waste minimization through cleaner technologies – reuse and recycling - solid waste management. | **CO 2, CO 3** |
| **UNIT- IV** | Human Population and environment – population growth – variation among nations – population explosion – environment and human health – human rights – value education – women and child welfare. | **CO4** |

REFERENCE BOOKS

1. Misra. S.P and Pandey .S.N. Essential Environmental Studies, Ane Books India,New Delhi.

2. Kiran B. Chokkas and others. Understanding Environment, Sage Publications New Delhi.

3. Arumugam N. and Kumaresan V. Environmental Studies, Saras Publications, Kanyakumari.

4. Benny Joseph. Environmental Studies, Tata McGraw-Hill Publishing Co.Ltd.,New Delhi.

**MAPPING OF COURSE OBJECTIVE AND PROGRAM OBJECTIVE**

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|  | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
| CO1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| CO2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 3 |
| CO3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| CO4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 3 |
|  | 1 | 1.5 | 1.25 | 1.5 | 1.5 | 1 | 1 | 1.75 |

**MAPPING OF COURSE OBJECTIVE, AND PROGRAM SPECIFIC OBJECTIVE**

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| --- | --- | --- | --- | --- | --- |
|  | PSO1 | PSO2 | PSO3 | PSO 4 | PSO 5 |
| Co 1 | 2 | 2 | 2 | 2 | 2 |
| Co 2 | 2 | 2 | 2 | 2 | 2 |
| Co 3 | 2 | 2 | 2 | 2 | 2 |
| Co 4 | 1 | 1 | 1 | 1 | 1 |
|  | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |

**MAPPING OF COURSE OBJECTIVE, PROGRAM OBJECTIVE AND PROGRAM SPECIFIC OBJECTIVE**

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|  | PO 1 | PO 2 | PO 3 | PO  4 | PO 5 | PO  6 | PO  7 | PO  8 | PSO  1 | PSO  2 | PSO  3 | PSO 4 | PSO 5 |
| Co 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 |
| Co 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 |
| Co 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Co 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
|  | 1 | 1.5 | 1.25 | 1.5 | 1.5 | 1 | 1 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |