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| --- | --- |
| **Program: BCom (Management & Finance).** | **Semester: I** |
| **Course: Environmental Studies** |  | **Code:**  |
| **Teaching Scheme** | **Evaluation Scheme** |
| **Lecture** | **Practical** | **Tutorial** | **Credit** | **Internal Continuous Assessment (ICA)****(weightage)** | **Term End Examinations (TEE)****(weightage)** |
| 30 | - | - | 2 | **20** | **30** |
| **Internal Component Assessment**

|  |  |
| --- | --- |
| **ICA 1****Class Test** **10** | **ICA 2****Assignment/Project/Presentation 1****10** |

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| **Learning Objectives:**

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|  1. To impart the Fundamental knowledge of Environment and create awareness about the challenging issues the world is facing 2. To develop the critical thinking and problem-solving real data analysis through the enhancing social entrepreneurship skills in the field of environment. 3. To evaluate the role of environment management practices in corporate world4. To facilitate the process of linking Sustainable Development Goals with the environmental objectives of the businesses  |
| **Learning Outcomes:** After completion of the course, students would be able to: 1.Understand the relevance of the natural surroundings and its influence over human habitat 2.Describe the importance and application of the environment management and sustainability practices in business, commerce and corporate world3.Learners will be encouraged to take steps for the conservation and sustainability of natural environment.4.Learners will be encouraged with innovative business solutions in various sectors of the economy  |

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| **Pedagogy** **1)** Short case studies would be discussed to elaborate on the concepts**2)** Pertaining to the topic covered, students would be given project/field work for better understanding    of the topicBesides, projects, newspapers articles, group discussion, etc will be taken up to link the topics with the current scenario |
| **Session Outline - Each lecture session would be of one hour duration (30 sessions)** |

**Detailed Syllabus:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module** | **Module Content** | **Module Wise Pedagogy Used** | **Module Wise****Duration** | **Module Wise Reference Books** |
| **I** |  **Environment, Biodiversity:**1.1 Environment and Ecosystem-(Case-Study/Self-Study)1.2 Biodiversity: Meaning, Threats to biodiversity; Conservation of biodiversity1.3 Natural Resources – Water, Forest, Energy-Management of resources through Energy Audit, Renewable Energy sources (Case Study) | Field visitsReport writingClass room sessionsDocumentary Screening | 07 | Environmental Science- Botkins and Killer, **Wiley, John & Sons**Bharucha, Erach (2004). Textbook for Environmental Studies for Undergraduate Courses of all Branches of Higher Education, University Grants Commission, New Delhi. 2004.William P Cunningham, Mary Ann Cunningham, Environmental Science – Enquiry & Applications, McGraw Hill Education |
| **II** | **Environmental challenges and Sustainability:**2.1 Global Warming- causes, challenges, impacts (Case-Study/Self-Study)2.2 Climate change- solutions- climate finance, Climate Action Plans for cities-Mumbai2.3 Solid waste Management- Circular Economy (Case-Study)* 1. Sustainable Development, SDGs and Business and SDGs- India’s progress in SDGs; Sustainability Reporting and Impact Measurement
 | Class room sessionsGroup DiscussionsDocumentary Screening | 11 | Rajgopalan C (2015): Environmental Studies. Oxford University PressKrishnamoorthy, Bala (2017). Environmental Management Text and Cases. PHI Learning Pvt. Ltd. |
| **III** | **Environmental Management, Business- Practices And Policies:*** 1. Environmental Management- EMS, ISO-14000, Environmental Auditing, Environmental Governance-EIA(Case-Study)
	2. Role of Geospatial Technology (GST) in Environmental Management-Google Earth
	3. Green Business Models – Life cycle approach, Green Business and Green Consumption (Case-Study)
	4. Pillars of Corporate Sustainability - Introduction to Nudge Theory; Triple Bottom Line Concept; Introduction to ESG (Environmental, Social, Governance) Criteria (Case-Study)
 | Class room sessionsGroup DiscussionsDocumentary Screening | 12 | Environment Management and Development: C J Barrow, 2005. Online research libraryPrasad Modak, 2018, Environmental Management Towards Sustainability, CRC Press Taylor and Francis Group |

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| --- | --- |
| **Evaluation Scheme** |  |
| **Internal Continuous Assessment (ICA)****(weightage)** | **Term End Examinations (TEE)****(weightage)** |  |
| **20** | **30** | **50** |

1. **Details of ICA-**

|  |  |  |
| --- | --- | --- |
| **Continuous Assessment** | **Details**  | **Marks**  |
| **Component 1 (ICA-1)** | Internal Class test | 10 |
| **Component 2 (ICA-2)** | Assignment | 10 |

1. In ICA 1- 2 test of 10 marks, Average of the 2 tests (one of the tests can be based on Google Earth Maps if feasible)
2. Also, ICA 1- Application based

Q. 1 Concept based question Total Questions- 04 One mark each

Q.2. Questions based on small answers- 03 Two marks each

**B. Details of Semester End Examination** Duration of examination- **One** hour

**Question paper pattern:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Question No.** | **Description** | **Marks** | **Total marks** |
| 1 | Answer the following Questions: (Module 1)Any 2/3 | 05x2 | 10 |
| 2 | Answer the following Questions: (Module 2)Any 1/2 | 10x1 | 10 |
| 3 | Answer the following Questions: (Module 3)Any 2/3 one question based on Google Earth Map | 05x2 | 10 |
|  |  | **Total Marks** | **30** |

Prepared by Approved by

Signature Signature

Vaishali Kurhekar Dr Parag Ajagaonkar

HOD, Dept of Environmental Studies Principal