

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**  
**(END SEMESTER EXAMINATION)**

**CLASS: MTECH/PRE-PHD**  
**BRANCH: CIVIL**

**SEMESTER : II/I**  
**SESSION : SP/2024**

**SUBJECT: CE555 ENVIRONMENTAL IMPACT ASSESSMENT AND SUSTAINABLE DEVELOPMENT**  
**TIME: 3 Hours**

**FULL MARKS: 50**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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|--------|---|------|-----|
| Q.1(a) | Correlate how Agenda 21 is addressing the climate issues in current scenario                | [5]  | 1 5 |
| Q.1(b) | What are the targets set under Montreal Protocol to address climate change.                 | [5]  | 1 2 |
| Q.2(a) | Discuss the salient outcomes of latest IPCC meetings.                                       | [5]  | 2 2 |
| Q.2(b) | Evaluate the environmental reports of Developed nation with Least Developed Nation          | [5]  | 2 5 |
| Q.3(a) | Compare the different EIA methodologies   | [5]  | 3 3 |
| Q.3(b) | Discuss the various steps involved in an environmental clearance process                    | [5]  | 3 3 |
| Q.4(a) | Using a suitable Industrial example, create a DPR using all its components.                 | [10] | 4 6 |
| Q.5(a) | Develop an Environmental Management Plan for either Cement or Steel or Coal Mining Industry | [10] | 5 5 |

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