

| Name:   |  |  |     |
|---|--|--|-----|
| Enrolment No:   |  |  |     |
| <b>UPES</b><br><b>End Semester Examination, May 2024</b>  |  |  |     |
| <b>Course: Regulatory Framework &amp; Legal Aspects of Sustainability</b><br><b>Program: BTech SE</b><br><b>Course Code: SUEN2008</b> |  | <b>Semester: IV</b><br><b>Time: 03 hrs.</b><br><b>Max. Marks: 100</b>              |     |
| <b>Instructions: All questions are compulsory.</b>  |  |  |     |
| <b>SECTION A</b><br><b>(5Qx4M=20Marks)</b>  |  |  |     |
| S. No.  |  | Marks  | CO  |
| Q 1   | State the different treaties and agreements ratified by governments since 1985 to counter climate change.  | 4  | CO1 |
| Q2  | What is GRI. State its full form and its role in sustainability.   | 4 (2*2)  | CO1 |
| Q3  | Explain through a brief note on the Air Pollution Act 1981.  | 4  | CO2 |
| Q4  | Explain the difference between Economic, Environment and Social parameters used in sustainability reporting.   | 4  | CO2 |
| Q5  | Explain how Environment Protection Act came into being and what is its role.   | 4  | CO2 |
| <b>SECTION B</b><br><b>(4Qx10M= 40 Marks)</b>   |  |  |     |
| Q6  | Explain in reference to the Montreal protocol, its purpose and history. Elaborate on its need and role in terms of Sustainable Development.  | 10 (5*2)   | CO2 |
| Q7  | Evaluate how the Kyoto protocol and the Montreal protocol play different roles in sustainable development. How are these two protocols different.<br><br>OR<br>Evaluate the Earth Summit and its purpose.    | 10 (5*2)   | CO4 |
| Q8  | The Air Pollution Act 1981 and the Environment Protection Act 1986 have a different scope, explain them and highlight the differences.   | 10 (5*2)   | CO2 |
| Q9  | Evaluate the legislations that are effective in the European Union for handling hazardous chemicals. What is the possibility that these legislations can be adopted in India, state its merits and demerits. | 10 (5*2)   | CO4 |

**SECTION-C**  
**(2Qx20M=40 Marks)**

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|-----|--|-----------------|------------|
| Q10 | <p>Analyze the difference in roles of Expert Appraisal Committee and State Environmental Impact Assessment Authority in Environment Clearance. Explain with examples.</p> <p style="text-align: center;"><b>OR</b></p> <p>Analyze and state various steps of ISO 14001 certification process.<br/>Analyze the approach you will be taking for achieving certification.</p> | <b>20</b>       | <b>CO3</b> |
| Q11 | <p>Analyze the following for the European Legislation REACH for chemicals.</p> <ol style="list-style-type: none"><li>1. Powers of Authority.</li><li>2. Registration of Companies handling hazardous chemicals</li><li>3. Reporting obligations.</li><li>4. Penalties for non-compliance and history of the legislation.</li></ol>   | <b>20 (5*4)</b> | <b>CO3</b> |