



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2023**

**Program Name: M. Tech (RE)**

**Semester : I**

**Course Name: Societal, Ecological and Environmental Impact Analysis Time : 3 hrs.**

**Course Code: EPEC 7053**

**Max. Marks: 100**

**SECTION A (4x5=20)**

S. No.	Short Notes	Marks	CO
1	Analyze the guidelines and regulations governing noise levels for public address system	4	CO4
2	Illustrate factors cause soil erosion?	4	CO3
3	Describe the typical content elements included in a prefeasibility report for EIA.	4	CO1
4	Outline the steps involved in EIA	4	CO4
5	Evaluate the primary objectives of EIA.	4	CO5

**SECTION B (10x4=40)**

6	Explain the Environmental Impact Assessment for infrastructure development projects, outlining the challenges & opportunities involved.	10	CO2
7	Outline the various types of damage that can occur in industrial environments, considering both tangible and intangible consequences.	10	CO4
8	Discuss the appraisal and decision-making process in Environmental Impact Assessment (EIA) with a focus on the critical factors that influence project approval or rejection	10	CO1
9	Summarize the distinct impact concerns on water pollution that can result from different project activities. Provide specific examples of projects and their corresponding water pollution issues to illustrate your analysis.	10	CO2

**SECTION-C (20x2=40)**

10	Evaluate indirect or cascading effects of these impacts on the ecosystem? Based on your understanding, can you propose a comprehensive mitigation plan to address the biological impact of project activities?	20	CO5
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11	Illustrate the scoping method in detail for EIA, including its purpose, key steps, and the significance of scoping in the EIA process	20	CO3
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