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Code No: 158DF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B.Tech IV Year II Semester Examinations, June - 2024****ENVIRONMENTAL IMPACT ASSESSMENT****(Common to EEE, ME, ECE, MMT, AE, MIE)****Time: 3 Hours****Max. Marks: 75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Why Screening process is important in EIA? [2]
- b) What are the objectives of EPA Act 1986? [3]
- c) What is the significance of public consultation in EIA? [2]
- d) Differentiate Adhoc and Matrices method. [3]
- e) Define Environmental Management Plan. [2]
- f) State the components of Environment Management plan. [3]
- g) What are the objectives of the Water Act 1974? [2]
- h) What is meant by life cycle assessment in EIA & its significance? [3]
- i) What is the objective of the Environment Impact Statement? [2]
- j) What are the significant Environmental impacts caused by Airport projects? [3]

PART – B**(50 Marks)**

2. Write in detail about international agreements align with the EIA process. [10]
OR
- 3.a) Write a short note on SEAC, SEIAA and EAC.
b) What is meant by “Assessment of Alternatives” in EIA? [8+2]
- 4.a) How is impact is interpreted and evaluated in EIA?
b) What are the anticipated impacts during the construction phase of river valley projects? [5+5]
OR
- 5.a) Write a short note on the overlay’s method.
b) Write a short note on environment impact communication. [5+5]
6. Explain in detail the EMP for noise environment with any suitable development project. [10]
OR
- 7.a) What are the major duties and responsibilities of the Environment Management Cell?
b) Write a short note on Environment audits. [6+4]

- 8.a) Discuss the salient features of Wildlife act 1972.
b) What are the benefits of Life cycle assessment? [7+3]

OR

- 9.a) Write a short note on Solid waste management rules.
b) Write a short note on Noise Standards. [5+5]

- 10.a) Discuss about the socioeconomic impacts associated with an airport project.
b) Describe factors affecting the selection of sites for Industries. [5+5]

OR

- 11.a) Describe in detail the biological and socioeconomic environment impacts of an industrial project.
b) Explain the case study of environmental impact assessment on Thermal power stations? [5+5]

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