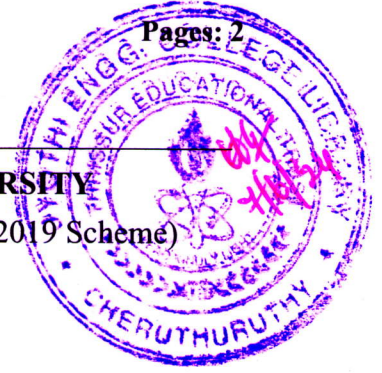


Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Sixth Semester B.Tech Degree (R,S) Examination May 2024 (2019 Scheme)

**Course Code: CET362****Course Name: ENVIRONMENTAL IMPACT ASSESSMENT**

Max. Marks: 100

Duration: 3 Hours

PART A*Answer all questions, each carries 3 marks.*

Marks

- | | | |
|----|---|-----|
| 1 | Explain the evolution of EIA in India | (3) |
| 2 | Explain the features of Environmental Protection Act of 1986. | (3) |
| 3 | Explain the importance of public participation in EIA process | (3) |
| 4 | Explain the main contents of Term of Reference | (3) |
| 5 | Explain how a development project affect the quantity and quality of surface / ground water. | (3) |
| 6 | Explain Ad hoc-method of Impact assessment. | (3) |
| 7 | What are the major components of an Environmental Management Plan | (3) |
| 8 | Explain the importance of implementation of ISO standards | (3) |
| 9 | List the factors to be considered for getting Environmental Clearance for an airport project. | (3) |
| 10 | Discuss the environmental Monitoring Program of a quarry project. | (3) |

PART B*Answer one full question from each module, each carries 14 marks.***Module I**

- | | | |
|----|---|-----|
| 11 | a) Define EIA. Explain the benefits and needs of EIA studies. | (7) |
| | b) Explain the water (Prevention and Control) Act, 1974 | (7) |

OR

- | | | |
|----|--|-----|
| 12 | a) List out the various environmental standards for water quality. | (5) |
| | b) Explain the evolution of EIA in Indian scenario. | (9) |

Module II

- | | | |
|----|---|-----|
| 13 | a) Explain in detail Generic structure of EIA report. | (8) |
| | b) Differentiate Rapid EIA and Comprehensive EIA. | (6) |

OR

- 14 a) Explain detailed procedure for Environmental clearance process in India. (8)
b) What are the purposes of Initial Environmental Examination (6)

Module III

- 15 a) Explain the step-by-step procedure for the prediction and assessment of impact on air environment. (7)
b) Explain the general methodology of Socio-Economic Impact Assessment. (7)

OR

- 16 a) Explain how will you apply overlay method for assessing the environmental impact due to a Dam construction. (7)
b) Explain the key elements of Ecological impact assessment (7)

Module IV

- 17 a) List any five objectives of Environmental Audit. Explain the different types of Environmental Audit and mention the advantages of Environmental Audit. (14)

OR

- 18 a) Explain the step-by-step procedure for conducting Environmental Audit (9)
b) Explain the objectives of Environmental Monitoring plan in EIA studies. (5)

Module V

- 19 Explain the environmental clearance procedure of a Highway project. (14)

OR

- 20 Explain how to assess the EIA of a Hydroelectric power project. (14)
