

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree S6 (R,S) (FT/WP) Examinations April 2026 (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

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| 1 | What are the objectives of Environmental Impact Assessment? | (3) |
| 2 | What are the National Ambient Noise Standards prescribed in India? | (3) |
| 3 | Distinguish between screening and scoping in the Environmental Impact Assessment (EIA) process. | (3) |
| 4 | What are the different categories of projects identified under the EIA Notification, 2006? | (3) |
| 5 | Compare network and overlay method. | (3) |
| 6 | How can the impact of a proposed textile industry on the water quality of a nearby river be predicted? | (3) |
| 7 | Explain different types of environmental audit. | (3) |
| 8 | Explain the goals of environment management plan. | (3) |
| 9 | How to assess the impacts on water by hydroelectric power plant project? | (3) |
| 10 | Identify and describe the impact of a highway project on the surrounding noise environment. | (3) |

PART B

Answer one full question from each module, each carries 14 marks.

Module I

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| 11 | a) As a site engineer working on a riverfront project, explain the key provisions of the Water (Prevention and Control of Pollution) Act, 1974 that you must comply with. | (9) |
| | b) Describe the major highlights of the EIA Notification, 2006. | (5) |

OR

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| 12 | a) Discuss the prescribed environmental quality standards for water and air in India. | (9) |
| | b) Explain the evolution of EIA in India | (5) |

Module II

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| 13 | a) As a project proponent for a highway project, explain the step-by-step stages for obtaining Environmental Clearance in India. | (9) |
| | b) Summarize the generic structure of an EIA report. | (5) |

OR

- 14 a) Compare and explain the different types of EIA. (9)
b) Write short notes on Initial Environmental Examination. (5)

Module III

- 15 a) Explain the procedure to predict and assess impacts on the air environment for an industrial construction project. (9)
b) Using an example, illustrate how a checklist method can be applied to identify and assess project impacts. (5)

OR

- 16 a) Explain EIA methodologies in detail. (9)
b) Explain the steps involved in assessing noise impacts for a new urban development project. (5)

Module IV

- 17 a) Explain the auditing procedure in EIA. (9)
b) What is ISO 14001 and its relevance? (5)

OR

- 18 a) Explain the contents of an environment management plan. (9)
b) Discuss the role of Environmental Monitoring program. (5)

Module V

- 19 Demonstrate the procedure for assessing the impact of an airport project on environment. (14)

OR

- 20 Describe a case study on environmental impact assessment of a solid waste management project. (14)
