

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
B.Tech Degree S7 (S, FE) Examinations May 2026 (2019 Scheme)

Course Code: CET415

Course Name: ENVIRONMENTAL IMPACT ASSESSMENT

Max. Marks: 100

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
|----|--|-----|
| 1 | Why EIA is needed for developmental projects? | (3) |
| 2 | What are the sources of air pollution? Give any two examples for air pollutants. | (3) |
| 3 | Discuss the contents of Form 1. | (3) |
| 4 | What is the significance of initial environmental examination? | (3) |
| 5 | List the advantages and disadvantages of checklist method. | (3) |
| 6 | Explain the features of matrix method of EIA assessment. | (3) |
| 7 | Explain the role of Environmental Monitoring Program. | (3) |
| 8 | Discuss the benefits of ISO 14001 Standards. | (3) |
| 9 | Identify the impacts of a hydroelectric power project. | (3) |
| 10 | Discuss the environmental impacts of a highway expansion project. Give two examples. | (3) |

PART B

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

Module I

- | | | |
|----|---|-----|
| 11 | a) Explain the salient features of Water Act. | (8) |
| | b) What are the sources of noise? Discuss the provision of environmental standards for noise. | (6) |

OR

- | | | |
|----|---|-----|
| 12 | a) Explain the history of evolution of EIA in India. | (8) |
| | b) Describe the features of environment protection act. | (6) |

Module II

- | | | |
|----|---|-----|
| 13 | a) Describe the procedure and steps of EIA with the help of a flow chart. | (8) |
| | b) Discuss the impact of a proposed thermal power plant on air quality. | (6) |

OR

- | | | |
|----|---|-----|
| 14 | a) Explain the generic structure of EIA report. | (8) |
| | b) Differentiate rapid and comprehensive EIA. | (6) |

Module III

- 15 a) Illustrate the use of overlay method of EIA assessment for a gas pipeline project. (8)
b) Predict the various impacts of a proposed eco-tourism project on environment and socio economic status. (6)

OR

- 16 a) Explain the impact of water pollution and mitigation measures for them. (8)
b) Describe the network method of EIA assessment with reference to environmental impacts of pesticide spraying on an agricultural land. (6)

Module IV

- 17 a) Describe the steps to be carried out to conduct environmental audit. (8)
b) Discuss the content of an Environmental Management Plan. (6)

OR

- 18 a) Describe the planning and implementation steps of ISO 14001 standards. (8)
b) Discuss the objectives and importance of EMP. (6)

Module V

- 19 a) Explain the case study for doing EIA for an airport project. (14)

OR

- 20 a) Discuss the case study for doing EIA of a solid waste management project. (14)
