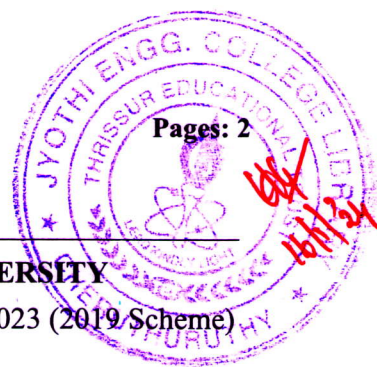


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Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree S7 (R, S) / S7 (PT) (R) Examination December 2023 (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 | Define EIA. What is the need for EIA in India? | (3) |
| 2 | What are the national ambient noise standards of India? | (3) |
| 3 | What are the advantages of public participation in EIA? | (3) |
| 4 | What are the categories of EIA projects as per EIA 2006? | (3) |
| 5 | Describe any three mitigation measures for groundwater impacts. | (3) |
| 6 | Describe any three socio economic impacts usually encountered due to development. | (3) |
| 7 | Define and explain Environmental Management Plan. | (3) |
| 8 | What is ISO 14001 standard? | (3) |
| 9 | How to assess the impacts on soil and water by mining activity? | (3) |
| 10 | What are the impacts of an airport project on local noise quality. | (3) |

PART B

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

Module I

- | | | |
|----|---|-----|
| 11 | a) What were the salient features of EIA notification 2006? | (8) |
| | b) Discuss about Environmental Protection Act, 1986. | (6) |

OR

- | | | |
|----|---|-----|
| 12 | a) Explain evolution of EIA in India. | (8) |
| | b) Explain history and development of EIA in different countries. | (6) |

Module II

- | | | |
|----|--|------|
| 13 | a) Describe the various steps in EIA process with the help of a flowchart. | (14) |
|----|--|------|

OR

- | | | |
|----|---|------|
| 14 | a) Explain different types of EIA. | (10) |
| | b) What is Initial Environmental Examination? | (4) |

Module III

- 15 a) Explain in detail, any four types of impact assessment methodologies. (14)

OR

- 16 a) What are the ambient air quality standards of India? (4)
b) Explain stepwise how do you predict and assess impacts in the Air environment. (10)

Module IV

- 17 a) What is Environmental Audit? What are its Objectives? What the types of Environmental Audits? (14)

OR

- 18 a) Explain in detail the procedure of Environmental Auditing. (14)

Module V

- 19 a) Discuss how to assess the impacts of hydroelectric project (14)

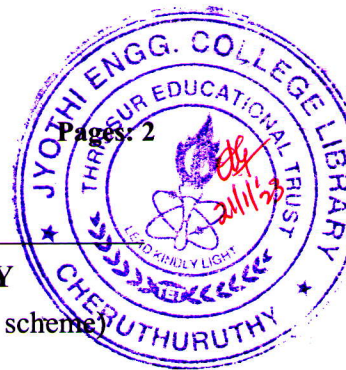
OR

- 20 a) Explain an EIA case study of any highway widening project in Kerala in detail. (14)

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Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Seventh Semester B.Tech Degree Examination December 2022 (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 | What is the need for EIA? | (3) |
| 2 | State the Environmental standards for water quality. | (3) |
| 3 | Write short notes on Scoping. | (3) |
| 4 | Differentiate between Regional EIA and Sectoral EIA. | (3) |
| 5 | What is matrix method of impact assessment? | (3) |
| 6 | How to predict the impact of a proposed irrigation project on the environment? | (3) |
| 7 | Discuss the content of an environmental management plan. | (3) |
| 8 | Explain the features of ISO 14001 standards. | (3) |
| 9 | Identify the impacts of a highway project on air quality. | (3) |
| 10 | Describe the environmental monitoring program for a quarry mining project. | (3) |

PART B

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

Module I

- | | | |
|----|---|-----|
| 11 | a) Describe Air (Prevention and Control of Pollution) Act 1981. | (5) |
| | b) Explain the evolution of EIA. | (9) |

OR

- | | | |
|----|---|-----|
| 12 | a) Discuss the Environmental standards for Water, Air and noise quality | (5) |
| | b) Describe Environmental Protection Act 1986. | (9) |

Module II

- | | | |
|----|---|------|
| 13 | a) Demonstrate the procedure for obtaining environmental clearance for a hydroelectric power project. | (10) |
| | b) Explain generic structure of EIA report. | (4) |

OR

- 14 a) Explain different types of EIA. (9)
b) Write short notes on Terms of Reference. (5)

Module III

- 15 a) Explain EIA methodologies in detail. (7)
b) Describe the methods to predict the impact on air quality. (7)

OR

- 16 a) Identify and explain the steps involved in the assessment of socio-economic impact due to a project (7)
b) Demonstrate the procedure for assessing the impacts on water. (7)

Module IV

- 17 a) Explain the purpose and importance of Environmental Management Plan. (8)
b) Discuss the role of Environmental Monitoring Program (6)

OR

- 18 a) Explain the benefits of environmental audit. (8)
b) Describe the stages in implementation of ISO 14001 standards. (6)

Module V

- 19 Demonstrate the procedure for assessing the impact of an airport project. (14)
OR
20 Discuss how to assess the impact of a solid waste management project. (14)
