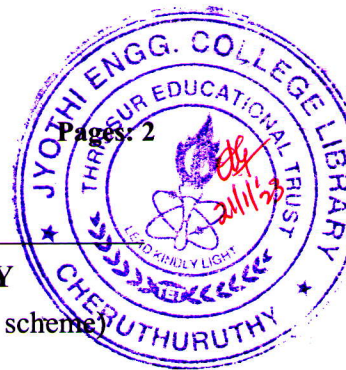


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Reg No.: \_\_\_\_\_

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)

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