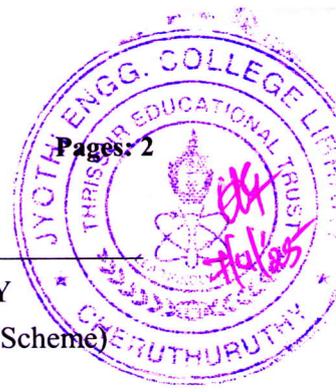


1000CET415122202



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

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
B.Tech Degree 7th semester (S,FE) (FT / PT) Exam April 2025 (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 are the objectives of EIA?                                                                  | (3) |
| 2  | Discuss the Air (Prevention and Control of Pollution) Act.                                       | (3) |
| 3  | Write short notes on Terms of Reference.                                                         | (3) |
| 4  | Differentiate between Rapid EIA and Comprehensive EIA.                                           | (3) |
| 5  | What is network method of impact assessment?                                                     | (3) |
| 6  | How to predict the impact of a proposed textile industry on the water quality of a nearby river? | (3) |
| 7  | Discuss the goal and purpose of environmental management plan.                                   | (3) |
| 8  | Explain the benefits of ISO 14001 standards.                                                     | (3) |
| 9  | Identify the impact of an airport project on noise quality.                                      | (3) |
| 10 | Report the environmental monitoring program for a solid waste management project.                | (3) |

**PART B**

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

**Module I**

- |    |                                                     |     |
|----|-----------------------------------------------------|-----|
| 11 | a) State environmental standards for water and air. | (5) |
|    | b) Explain the evolution of EIA.                    | (9) |

**OR**

- |    |                                                                      |     |
|----|----------------------------------------------------------------------|-----|
| 12 | a) Discuss the Water (Prevention and Control of Pollution) Act 1974. | (5) |
|    | b) Explain the Environmental (Protection) Act 1986.                  | (9) |

**Module II**

- |    |                                                                                                                                 |      |
|----|---------------------------------------------------------------------------------------------------------------------------------|------|
| 13 | a) Describe the procedure for obtaining environmental clearance for a nuclear power project according to EIA notification 2006. | (10) |
|    | b) Explain generic structure of EIA report.                                                                                     | (4)  |

**OR**

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

**Module III**

- 15 a) Explain EIA methodologies in detail. (7)  
b) Describe impact prediction and evaluation stages of EIA. (7)

**OR**

- 16 a) 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 surface water. (7)

**Module IV**

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

**OR**

- 18 a) Describe the need and procedure for environment audit. (8)  
b) Explain the importance and salient features of ISO 14001 standards. (6)

**Module V**

- 19 Demonstrate the procedure for assessing the impact of a highway project. (14)

**OR**

- 20 Discuss how to assess the impact of a quarry mining project. (14)

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