

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

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

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**EIGHTH SEMESTER B.TECH DEGREE EXAMINATION(S), OCTOBER 2019**

**Course Code: CE482**

**Course Name: ENVIRONMENTAL IMPACT ASSESSMENT**

Max. Marks: 100

Duration: 3 Hours

**PART A**

*Answer any two full questions, each carries 15 marks.*

Marks

- |   |  |      |
|---|--|------|
| 1 | a) What are the impacts of air pollution on human beings?                | (7)  |
|   | b) What are secondary air pollutants? Explain any two.                   | (8)  |
| 2 | Discuss physical, chemical and biological characteristics of water.      | (15) |
| 3 | a) Differentiate natural and anthropogenic sources of air pollution      | (6)  |
|   | b) Discuss the sources and impacts of thermal pollution on water quality | (5)  |
|   | c) List the major pollutants of water                                    | (4)  |

**PART B**

*Answer any two full questions, each carries 15 marks.*

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|---|---|------|
| 4 | a) What is e-waste? Identify the impacts of e-waste on environment  | (7)  |
|   | b) Classify solid wastes based on source. Explain any two in detail | (8)  |
| 5 | Explain about the sources and effects of noise pollution            | (15) |
| 6 | a) What are the effects of urbanization on land degradation?        | (7)  |
|   | b) Write a short note on the methods to control noise pollution     | (8)  |

**PART C**

*Answer any two full questions, each carries 20 marks.*

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|---|---|------|
| 7 | a) Explain different types of environmental impacts with examples.                              | (8)  |
|   | b) Define climate change. What are the adverse effects of climate change? How to mitigate them? | (12) |
| 8 | a) Explain screening and scoping in EIA?  | (10) |
|   | b) Identify the major considerations to be given in screening and scoping of an airport         | (10) |
| 9 | a) Illustrate overlay method  | (10) |
|   | b) Discuss the ill-effects of deforestation   | (10) |

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