

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

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

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Seventh semester B.Tech examinations (S), September 2020

**Course Code: CE469****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) Define EIA and list out the need for EIA  | 6 |
|   | b) Write note on screening and scoping as elements of EIA                                  | 9 |
| 2 | a) Briefly explain about the point and non-point sources of water pollution with examples. | 5 |
|   | b) What are the human health effects of nitrogen dioxide as an air pollutant?              | 5 |
|   | c) Define noise pollution and list out common sources of noise pollution                   | 5 |
| 3 | a) List out various measures to prevent soil pollution.                                    | 5 |
|   | b) Give details of environmental clearance process in India.                               | 5 |
|   | c) Discuss how thermal sources contribute towards water pollution.                         | 5 |

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

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|---|--|----|
| 4 | a) What are the various sources of solid waste?                                  | 5  |
|   | b) Discuss on the effect of E- waste on environment                              | 5  |
|   | c) What are the management practices adopted to minimize the effect of E- waste. | 5  |
| 5 | a) Write note on global climate change and ozone layer depletion                 | 10 |
|   | b) List out various practises adopted to control land degradation.               | 5  |
| 6 | a) Explain in detail about pesticide pollution.                                  | 10 |
|   | b) List out the causes of deforestation.   | 5  |

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

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|---|---|----|
| 7 | a) Differentiate between Fault tree and Event tree analysis.                  | 10 |
|   | b) Explain the socio economic impacts usually encountered due to development. | 10 |

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|---|----|--|----|
| 8 | a) | Explain the air quality standards in detail                                  | 10 |
|   | b) | Write note on the water quality standards                                    | 10 |
| 9 | a) | Explain the advantages and disadvantages of (a) matrices and (b) overlays    | 10 |
|   | b) | Discuss about the socio economic impacts associated with an airport project. | 10 |

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