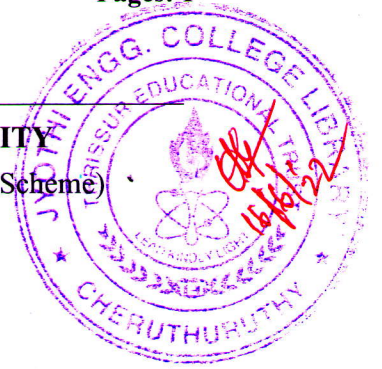


Reg No.: \_\_\_\_\_

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

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
Eighth Semester B.Tech Degree Examination June 2022 (2015 Scheme)



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) Discuss about major air pollutants   | (9)   |
| b) Distinguish between primary pollutants and secondary pollutants with example                             | (6)   |
| 2 a) Distinguish between point and non-point source of pollution  | (4)   |
| b) What you mean by water quality standards? Write permissible range of any two parameters as per IS 10500. | (5)   |
| c) Write about common water borne diseases in the community   | (6)   |
| 3 a) What are the impacts of air pollution on human health, animals and plants?                             | (7)   |
| b) What are the physical, chemical and biological characteristics of water                                  | (8)   |

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

- |  |     |
|--|-----|
| 4 a) How solid waste is classified?  | (7) |
| b) Discuss about causes and effects of land pollution                      | (8) |
| 5 a) How noise is measured? Discuss about equivalent sound pressure level. | (8) |
| b) What are the causes of noise pollution?                                 | (7) |
| 6 a) What is E-waste and what are their impacts on environment?            | (5) |
| b) Discuss the sources and impacts of radioactive waste.                   | (5) |
| c) How noise pollution can be prevented                                    | (5) |

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

- |  |      |
|--|------|
| 7 a) What are the causes and adverse effects of climate change?                        | (8)  |
| b) Write a note on (i) land degradation (ii) ozone layer depletion (iii) Deforestation | (12) |
| 8 a) Explain in detail the procedure of EIA practicing in India                        | (12) |
| b) Explain the need for conducting EIA for a nuclear power plant                       | (8)  |
| 9 a) Distinguish between local and global pollutants                                   | (4)  |
| b) What are the tools commonly used in Environmental Impact Assessment process?        | (10) |
| c) Explain screening and scoping and consideration of alternatives in EIA              | (6)  |

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