

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 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) Distinguish between primary pollutants and secondary pollutants | (6) |
| | b) What are the impact of air pollutants on human, vegetation and environment? | (9) |
| 2 | a) Differentiate between surface water pollution and ground water pollution | (5) |
| | b) Explain any five sources of water pollution? | (10) |
| 3 | a) Explain any two water borne diseases | (6) |
| | b) Discuss the sources, effects and control measures for carbon monoxide | (9) |

PART B

Answer any two full questions, each carries 15 marks.

- | | | |
|---|--|------|
| 4 | (a) Write a note on classification of solid wastes. | (7) |
| | (b) What are the effects of urbanization on land degradation? | (8) |
| 5 | (a) Define equivalent sound pressure level. How noise is measured? | (5) |
| | (b) Describe in detail various control measures for Noise Pollution. | (10) |
| 6 | (a) What is noise? With examples explain continuous and intermittent noise | (7) |
| | (b) Write notes on e-waste and radio-active wastes. | (8) |

PART C

Answer any two full questions, each carries 20 marks.

- | | | |
|---|--|------|
| 7 | Explain stepwise process for conducting EIA with a flowchart | (20) |
| 8 | a) Discuss in detail about global warming and climate change. | (10) |
| | b) Explain the need for conducting EIA for a thermal power plant. | (10) |
| 9 | a) List different types of checklist. Explain any two with example | (10) |
| | b) With example discuss the type and scale of impacts | (10) |

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.

- | | | |
|---|---|------|
| 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.

- | | | |
|---|---|------|
| 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) |

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Eighth semester B.Tech degree examinations, September 2020

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) Define Primary pollutants and secondary pollutants. (8)
- b) What are the main sources of air pollution? (7)
- 2 a) Discuss physical, chemical and biological characteristics of water. (15)
- 3 a) What are point and non point sources of water pollution? (6)
- b) Explain any two water borne diseases. (4)
- c) Explain the Impact of air pollutants on environment. (5)

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

- 4 a) What are the sources of e-wastes? What are its environmental impacts? (8)
- b) Define solid waste. What are the sources of solid waste. (7)
- 5 a) Discuss the effects of urbanization on land degradation. (7)
- b) Describe the characteristics of solid waste. (8)
- 6 a) Explain the sources and effects of noise pollution. (10)
- b) Discuss the measurement of sound in detail. (5)

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

- 7 a) Define deforestation? What are the important causes of deforestation? (10)
- b) Write in detail about the causes of global warming and its effects. (10)
- 8 a) Categorize the different environmental impacts citing examples. (10)
- b) Explain the various causes and effects of land degradation. (10)
- 9 a) Explain screening and scoping of EIA. (10)
- b) Explain matrix method and overlay method. (10)
