

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
SEVENTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), DECEMBER 2019

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

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| 1 | a) What are the key elements in EIA as per Government of India notification? | (10) |
| | b) Discuss the need and importance of EIA | (5) |
| 2 | a) Identify and list the major primary and secondary air pollutants | (5) |
| | b) Discuss the phenomena of photochemical smog. | (5) |
| | c) What are the human health effects of carbon monoxide as an air pollutant? | (5) |
| 3 | a) Distinguish point and non-point sources of water pollution with examples | (10) |
| | b) Discuss the significance of public participation in EIA | (5) |

PART B

Answer any two full questions, each carries 15 marks.

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| 4 | a) Discuss the disposal and management practises adopted for e-wastes | (10) |
| | b) What are the major effects of pesticide pollution? | (5) |
| 5 | a) Define impact. Give a detailed classification for the different impacts | (10) |
| | b) Discuss the effect of development on agriculture. | (5) |
| 6 | a) Discuss the various factors leading to ozone layer depletion and how it is measured. | (10) |
| | b) Discuss the various characteristics of solid wastes. | (5) |

PART C

Answer any two full questions, each carries 20 marks.

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| 7 | a) Explain in detail, different types of impact assessment methodologies | (10) |
| | b) Discuss how you will prepare an EIA for a national highway | (10) |
| 8 | a) Give the salient features of air quality standards | (10) |
| | b) Discuss the limits of noise level in different areas of community | (5) |
| | c) What you meant by environmental management plan? | (5) |
| 9 | a) Explain the socio economic impacts usually encountered due to development. | (10) |
| | b) Discuss the role of an environmental engineering in context with EIA? | (10) |
