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

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

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Seventh Semester B.Tech Degree Examination (Regular and Supplementary), December 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) What is the importance of screening and scoping in environmental impact assessment? (6)
- b) Describe the evolution of environmental impact assessment in India (9)
- 2 a) What are the sources of oxides of sulphur and their effects on humans, material and environment? (9)
- b) What are the problems related to non-point source water pollution. (6)
- 3 a) Name any five industrial projects that require prior environmental clearance. (2.5)
- b) What are the different stages involved in the environmental clearance process in India? (5)
- c) Explain the impacts of pollutants on rivers? (7.5)

**PART B**

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

- 4 a) Write a note on the effects of solid wastes and its management. (8)
- b) Define noise and explain in detail the sources of noise pollution. (7)
- 5 a) What is climate change and what are the issues associated with it? (7)
- b) Illustrate the causes and effects of deforestation. (8)
- 6 a) Pesticides have been an essential part of agriculture. What are the concerns regarding the repeated use of pesticides? (7.5)
- b) How the development influences vegetation and wildlife? (7.5)

**PART C**

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

- 7 a) Explain any one of the matrix methods adopted in environmental impact assessment. (10)
- b) What are the different steps to perform a fault tree analysis? Explain in detail. (10)

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- 8 a) What is the significance of water quality standards in India? (10)
- b) The public should be involved in the decision making process of environmental impact assessment. Substantiate the statement with reasons. (10)
- 9 a) Mention the role of an environmental engineer while conducting environmental impact assessment studies. (10)
- b) Demonstrate a case study of environmental impact assessment of road transportation project. (10)

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