

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Scheme for Valuation/Answer Key

Scheme of evaluation (marks in brackets) and answers of problems/key

SEVENTH SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2018

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) Explanation (9 marks)
Flow chart (3 marks) | (12) |
| | b) Need for EIA- any three points (3x1=3 marks) | (3) |
| 2 | a) Definition and explanation for point and nonpoint sources of water pollution with examples. | (5x 2= 10) |
| | b) Impacts of any two water pollutants | (5) |
| 3 | a) Various control measures for any three major air pollutants | (5X3=15) |

PART B

Answer any two full questions, each carries 15 marks.

- | | | |
|---|---|-------------------|
| 4 | a) E-waste
Effects (any 3) | (3)
(3) |
| | b) Noise pollution definition
Sources (any two)
Effects | (2)
(4)
(3) |
| 5 | a) List
Sources (3x3) | (1)
(9) |
| | b) Explanation | (5) |
| 6 | a) Any four points | (8) |
| | b) Causes
Effects | (4)
(3) |

PART C

Answer any two full questions, each carries 20 marks.

- | | | |
|---|---|------------|
| 7 | a) Explanation
figure | (5)
(5) |
| | b) Matrix definition | (1) |
| | Any 3 types of matrices (Simple, Time dependent, magnitude, Quantified – (3x3)(9) | |

- Leopold matrix, Modified graded matrix etc.)
- 8 a) Pre-construction (2)
Construction (4)
Post-construction (4)
- b) Advantages and disadvantages of matrix (5) (10)
Advantages and disadvantages of overlays (5)
- 9 a) Explanation of case study of EIA in detail with steps (10)
- b) Explanation of noise pollution and standard (2)
CPCB standard for noise quality in detail (8)

