

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Scheme for Valuation/Answer Key

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

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) Primary with example (3)
Secondary with example (3) | (6) |
| | b) Impact on Human (3)
Impact on Vegetation (3)
Impact on Environment (3) | (9) |
| 2 | a) Surface water pollution with example (2.5)
Ground water pollution with example (2.5) | (5) |
| | b) Any 5 sources with explanation (5x2 = 10) | (10) |
| 3 | a) Explanation of any two diseases (3 x 2 = 6) | (6) |
| | b) Sources (3)
Effects (3)
Control measures (3) | (9) |

PART B

Answer any two full questions, each carries 15 marks.

- | | | |
|---|--|------|
| 4 | a) List (2)
Explanation (5) | (7) |
| | b) Explanation emphasizing any four major effects | (8) |
| 5 | a) L_{eq} definition (2)
Noise measurement methods / explanation of instruments (3) | (5) |
| | b) Source control (5)
Medium (3)
Receiver (2)
Give due credit for any other valid point | (10) |



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- 6 a) Definition (1) (7)
Explanation with example ($3 \times 2 = 6$)
b) e-waste (4) (8)
radioactive waste (4)

PART C

Answer any two full questions, each carries 20 marks.

- 7 Flowchart (5) (20)
Steps (screening, scoping, impact identification/prediction, public participation, mitigation) (15)
- 8 a) Global warming (5) (10)
Climate change (5)
b) Discussion on the impacts of thermal power plant and explanation of the need (10)
- 9 a) List (2) (10)
Explanation ($4 \times 2 = 8$)
b) Type (any 3) (6) (10)
Scale (any 4) (4)

