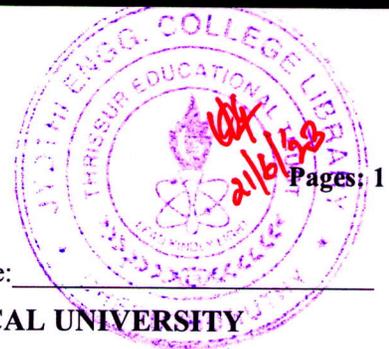


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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree S8 (S, FE) / S8 (PT) (R, S) Examination June 2023 (2015 Scheme)

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) Discuss the various gaseous pollutants and their effects on environment | (10) |
| | b) Differentiate primary and secondary air pollutants. | (5) |
| 2 | a) Compare aerosol and PM. | (5) |
| | b) List any five water borne diseases and their causative organism. | (5) |
| | c) Comment on drinking water quality standards specifying the permissible of any three water quality parameters. | (5) |
| 3 | Describe any five chemical characteristics of water and mention their method of determination. | (15) |

PART B

Answer any two full questions, each carries 15 marks.

- | | | |
|---|---|------|
| 4 | a) Explain in detail the characteristics of solid waste. | (10) |
| | b) Write a short note on radioactive waste. | (5) |
| 5 | a) Describe the effects of modern agriculture on soil. | (10) |
| | b) Discuss the methods of measurement of noise. | (5) |
| 6 | a) Explain the control measures of noise pollution. | (8) |
| | b) What is e-waste? Enlist the impacts of e-waste on environment. | (7) |

PART C

Answer any two full questions, each carries 20 marks.

- | | | |
|---|--|------|
| 7 | a) Describe the various causes of climate change and effects of climate change. | (10) |
| | b) Categorize the different environmental impacts citing examples. | (10) |
| 8 | Discuss the various steps involved in EIA study with the help of a case example. | (20) |
| 9 | a) What are the detrimental effects of deforestation? | (6) |
| | b) Compare the checklist and matrix methods of EIA. | (14) |
