

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIFTH SEMESTER B.TECH DEGREE EXAMINATION, APRIL 2018

Course Code: CE371

Course Name: ENVIRONMENT AND POLLUTION

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any two full questions, each carries 15 marks

Marks

- | | | | |
|---|----|---|------|
| 1 | a) | Illustrate the different process involved in nitrogen cycle. | (10) |
| | b) | Differentiate between primary and secondary pollutants. | (5) |
| 2 | a) | Interpret the statement "Environment is multidisciplinary in nature." | (5) |
| | b) | Write short note on sulphur dioxide. | (5) |
| | c) | What is meant by ambient air quality standards. | (5) |
| 3 | a) | Explain various components of environment. | (8) |
| | b) | Summarize the effects of air pollutants on environment. | (7) |

PART B

Answer any two full questions, each carries 15 marks

- | | | | |
|---|----|---|-----|
| 4 | a) | Compare point and non-point source of pollution. | (5) |
| | b) | Write notes on water pollution. | (5) |
| | c) | Define E-waste. Explain the sources of generation of E-waste. | (5) |
| 5 | a) | Describe the recycling and reuse of solid wastes. | (7) |
| | b) | Discuss physical, chemical and biological characteristics of water. | (8) |
| 6 | a) | Identify composition and characteristics of solid waste. | (8) |
| | b) | List out major pollutants of water. | (7) |

PART C

Answer any two full questions, each carries 20 marks

- | | | | |
|---|----|---|------|
| 7 | a) | Evaluate the effects of urbanization on land degradation. | (10) |
| | b) | Examine the sources and effects of noise pollution. | (10) |
| 8 | a) | Elaborate impacts of modern agriculture on soil. | (8) |
| | b) | Propose control measures for noise pollution. | (8) |
| | c) | Distinguish between land and soil pollution. | (4) |
| 9 | a) | Write short note on measurement of noise. | (5) |
| | b) | Define noise pollution. Outline the term equivalent sound pressure level. | (7) |
| | c) | Elucidate abatement measures for land pollution. | (8) |
