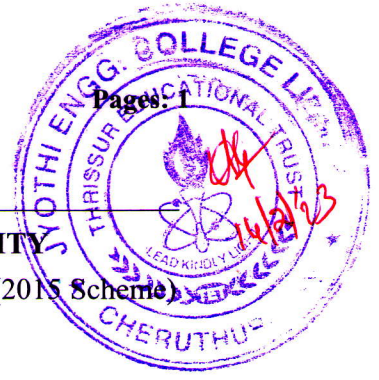


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Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Seventh Semester B.Tech Degree (S, FE) Examination January 2023 (2015 Scheme)

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) Explain about primary and secondary air pollutants with example. (4)
- b) What are the various steps in the EIA process? Explain with the help of a neat sketch. (11)
- 2 a) Why certain air pollutants are classified as criteria air pollutants? Explain the sources and effects of any two criteria air pollutants. (10)
- b) What are the needs and goals of EIA? (5)
- 3 a) Explain point and non-point sources of water pollution with example. Justify which one is difficult to control. (8)
- b) Explain category A, B and C project mentioned in EIA notification 2006. (7)

PART B

Answer any two full questions, each carries 15 marks.

- 4 a) Explain the impacts of climate change in all dimensions. (12)
- b) Define direct, indirect and cumulative impact. (3)
- 5 a) Why the study of solid waste characteristics is essential for the efficient design of municipal solid waste management system? (8)
- b) What are the effects of modern agricultural practices on soil? (7)
- 6 a) What are the causes and impacts of deforestation? (7)
- b) Explain the effects of noise pollution. (8)

PART C

Answer any two full questions, each carries 20 marks.

- 7 a) What is the role of an Environmental Engineer in EIA? (10)
- b) Explain the national ambient air quality standards in detail. (10)
- 8 a) Explain any case study of EIA. (10)
- b) Write a note on water quality standards (10)
- 9 a) Explain environmental management plan (EMP) in detail. (8)
- b) Explain (i) overlay approach and (ii) checklist method. (12)
