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Total No. of Questions: [09]

Total No. of Printed Pages: [01]

B. Tech Civil (Semester – 8th)
ENVIRONMENTAL IMPACT ASSESSMENT & LIFE CYCLE ANALYSES
Subject Code: BCIED1-813
Paper ID: [18110765]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Write a short note on Screening.
- b. Briefly explain the various types of Socio-economic impacts.
- c. Write the factors affecting EIA?
- d. How air pollutants can affect human beings directly?
- e. What is Environmental Management Plan?
- f. Briefly write about Audit data?
- g. Give the causes and effects of deforestation.
- h. Write the need of GIS for EIA?
- i. Write about risk management?
- j. What are post Audit activities?

Section – B

(5 marks each)

- Q2. Explain briefly the evolution of EIA?
- Q3. Write a short note on fault-tree analysis.
- Q4. Explain in general the environmental clearance process in India?
- Q5. Explain the checklist method of impact assessment.
- Q6. Explain the impact on soil due to pipeline construction?

Section – C

(10 marks each)

- Q7. Write a short note on water quality analysis and explain the standards for water quality.
- Q8. Explain the role of environmental engineer in EIA and write a short note on Event tree analysis.
- Q9. How the cement industry causes the impact on air quality and explain mitigation measures to reduce the impact.