Roll No…….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

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.