B.Tech. Degree Examination

Civil Engineering

VII SEMESTER

(Supplementary)

ENVIRONMENTAL IMPACT ANALYSIS

(Effective from the admitted batch 2009–10)

Time: 3 Hours

Max.Marks: 60

Instructions: Each Unit carries 12 marks.
Answer all units choosing one question from each unit.
All parts of the unit must be answered in one place only.
Figures in the right hand margin indicate marks allotted.

UNIT-I

1. a) Explain in brief the environmental problems faced by India 7
   b) List the aim and objectives of EIA process 5

   OR

2. a) Briefly explain the C.E guidelines in USA 5
   b) Explain in brief various steps in EIA process 7

UNIT-II

3. a) Explain in brief the activities of agencies in an EIA process 5
   b) Discuss in brief the changes in human and cultural status due to various projects 7

   OR

4. a) Briefly explain the changes in ecological and noise attributes due to various projects 6
   b) Discuss in brief the changes in water and soil attributes due to various projects 6
UNIT-III
5. a) Explain in brief different impacts due to various development projects
   b) Briefly explain aggregation with respect to EIA

OR

6. a) Explain in brief short term and long term impacts due to a project activity
   b) Write a short note on synergetic impacts due to a project activity

UNIT-IV
7. a) Explain in brief different methods of impact assessment
   b) List the criteria to choose a method of impact assessment

OR

8. a) List the contents in an Environmental Impact Statement (EIS)
   b) Briefly explain the procedure to prepare an EIS

UNIT-V
9. a) Discuss briefly the impacts of highway (road) projects
   b) Briefly explain the Cost-Benefit ratio

OR

10. a) Explain in brief the impact of mining projects on environment
    b) Discuss briefly the impacts of nuclear power projects on to environment