

Code: CE8T3B

**IV B.Tech - II Semester – Regular / Supplementary Examinations  
March 2019**

**ENVIRONMENTAL IMPACT ASSESSMENT  
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) What is practical use of Environmental base Map in EIA studies?
- b) State the advantages of Media quality index method?
- c) What do you understand by term “air pollution sources”?
- d) When do you prepare EIS?
- e) What is meant by Environmental Audit protocol?
- f) What are the impacts of deforestation?
- g) What are the post Environmental Audit activities?
- h) What are possible impacts of National Highway construction project?
- i) What is difference between land use and land cover?
- j) What are developmental projects which requires Initial Environmental Examination.
- k) What are mitigation measures for chemical industry impacts?

## PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) What are the factors affecting the EIA in the process of Impact Evaluation and analysis? 8 M
- b) Explain in details the network method and overlay method used for impact Identification. 8 M
3. a) List and discuss in detail the various attributes to be considered for carrying water resources impact assessment. 8 M
- b) What is meant by delineation of study area? State its significance in EIA studies. 8 M
4. a) What is meant by deforestation? Explain the various causes and remedial measures for deforestation. 8 M
- b) Discuss the various aspects of Evaluation of Environmental Audit and preparation of Environmental Audit. 8 M
5. a) What are activities of pre and post Environment Audit? Explain their importance in EIA studies. 8 M

b) Mention the salient features of Environmental Pollution control Act, 1986. 8 M

6. a) What are components of IEE? Explain detailed process for preparation of IEE. 8 M

b) Explain the Environmental impacts due to a coal based thermal power plant. What will be the possible remedial measures to mitigate the negative impacts due to thermal power plants on Environment? 8 M