

**B.Tech. CIVIL ENGINEERING (BTCLEVI)**

**Term-End Examination**

00196

**June, 2016**

**BICEE-014 : ENVIRONMENT IMPACT ANALYSIS OF  
CIVIL ENGINEERING PROJECTS**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Answer any **seven** questions. All questions carry  
equal marks.*

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1. How does the EIA process help in environmental protection ? Discuss with a relevant example. 10
2. What do you understand by socio-economic impact analysis ? How is it relevant to EIA process ? Discuss with an example. 10
3. Explain briefly, the various factors to be considered for assessing the impact of a wastewater treatment facility. 10
4. Name the various methods used for impact identification. Discuss any one of these in detail. 10
5. What do you understand by environmental setting ? How is it useful in EIA process ? Explain in detail, using an example. 10

6. List the objectives of an Environmental Impact Statement (EIS). Explain, in detail, the points to be covered in an EIS report. 10
  7. Discuss with the help of relevant examples, the prediction and assessment of the impacts on groundwater, air and wildlife. 10
  8. Discuss the various decision methods employed for evaluation of alternatives. 10
  9. What is the relevance of environmental monitoring ? Discuss the environmental monitoring of a highway project during the various phases of construction. 10
  10. Write short notes on the following : 2×5=10
    - (a) Environmental Indices
    - (b) Role of the USEPA
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