

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2016

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

Time : 3 hours

Maximum Marks : 70

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

1. What is EIA ? What are its objectives ? Explain the role of screening in the EIA process. 10

2. Write in detail about various factors that are taken into consideration while assessing the impacts of wastewater treatment facilities. 10

3. Define Environmental Audit. What are the different stages of Environmental Auditing ? Discuss the benefits of environmental audit. 10

4. What are the objectives of Environment Impact Statement (EIS) ? Discuss in detail, the essential points to be covered in an EIS report. 10

5. What different kinds of pollution may be caused by a pulp and paper mill ? Discuss in detail as to how you would reduce the pollution from such an industry. 10
6. Explain the socio-economic impact analysis of a water resources project. List various methods of socio-economic impact identification. Explain any one of them in brief. 4+2+4
7. (a) What is environmental setting ? Explain the process briefly. 5
- (b) Discuss the indicators that are used in describing the affected environment, due to a project. 5
8. How is an EIA document prepared ? Explain the process involved in detail. 10
9. Discuss the salient features of notification of public hearings in India. List the projects exempted from such public hearings. 10
10. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Role of United States Environmental Protection Agency (USEPA)
- (b) Role of CPCB in EIA Process
- (c) Environmental Management Plan (EMP)