

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2015

00581

**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. Define EIA. Discuss any five groups of stakeholders involved in the EIA process in detail. 10
2. Discuss the steps involved in an EIA process with the help of a block diagram. 10
3. Explain the measures to mitigate negative social impacts and to enhance positive social impacts for a highway project. 10
4. Define Environmental Audit. What are the different stages of Environmental Auditing ? Discuss the benefits of auditing. 10
5. (a) Discuss the factors on which choice of EIA methods depend. 5
(b) Write the composition of the expert committee for Environment Impact Assessment (EIA). 5

6. Discuss the possible impact on marine ecology by a typical Natural Gas based Power Plant Project. 10
7. Discuss the following in brief : $2 \times 5 = 10$
- (a) Preparation of EIA document
 - (b) Objectives of Environment Impact Statement (EIS)
8. Discuss the stages in Social Impact Assessment in detail. 10
9. Write short notes on the following : $2 \times 5 = 10$
- (a) Checklist and its types
 - (b) A typical environmental impact matrix for a pulp mill
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