

B.Tech. CIVIL ENGINEERING (BTCLEVI)**Term-End Examination****December, 2015****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. Discuss the key features of National Environmental Policy Act. 10
2. What do you understand by the utility and scope of the EIA process ? Describe in detail. 10
3. Explain, briefly, the various factors to be considered for assessing the environmental impacts of a power project. 10
4. Discuss, in detail, the matrices method of impact identification. 10
5. List the various environmental indices and indicators used for describing the affected environment. Discuss their application with the help of an example. 10

6. Define environmental audit and discuss the various stages of environmental auditing. 10
7. Discuss, with the help of a case study, the prediction and assessment of the impacts on surface water and soil. 10
8. Discuss the visual and socio-economic impacts of a civil engineering project of your choice. What steps can be taken to minimise these impacts ? 10
9. What is the purpose of public participation in decision-making ? How is it carried out ? List the projects exempt from public hearing. 10
10. Write short notes on the following : 2×5=10
- (a) Screening in EIA process
 - (b) Prediction and assessment of impacts on vegetation
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