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

Term-End Examination

December, 2013

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

Time : 3 hours

Maximum Marks : 70

Note : Answer any five questions.

All questions carry equal marks.

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1. (a) Discuss the key features of "NEPA" and its implementation. 7
(b) Describe the utility and scope of the ETA process. 7
 2. (a) Explain the factors to be considered for assessing the impact of a hydropower project. 7
(b) Write a detailed note on the planning and management of environmental impact studies. 7
 3. (a) Explain socioeconomic impact analysis ? Discuss the same for a dam ? 7
(b) List the various methods for impact identification. Describe any one method. 7
 4. (a) What is "environmental setting" ? Describe the process in detail. 7
(b) What are the various environmental indices and indicators that are used for describing the affected environment ? 7

5. (a) Discuss briefly the prediction and assessment of impact on vegetation and wildlife with an example. 7
- (b) Compare the prediction and assessment of impact for surface water and ground water. 7
6. Write detailed notes on :
- (a) Public participation in decision--making. 7
- (b) Environmental Monitoring. 7
7. (a) How is an EIA document prepared ? Explain the process in detail. 7
- (b) What is meant by Screening" ? Explain its relevance in the EIA process ? 7
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