

Code: CE8T4B

IV B.Tech - II Semester – Regular Examinations – April 2016

**ENVIRONMENTAL IMPACT ASSESSMENT
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) What is Environment Impact assessment (EIA)? Describe how Initial Environmental Examination (IEE) is necessary before going for Final EIA? 7 M
- b) Explain the different aspects to be presented in a sequential order for the preparation of EIA report (with reference to the Central Pollution Board of India). 7 M
2. a) What are the important methodologies used for assessing the impacts of a developmental activity? 7 M
- b) Describe Leopold Interaction Matrix method. 7 M
3. a) What are the 7-steps used in the systematic approach to the study of impacts on the Soil and ground water? 7 M
- b) Describe briefly the effects of developmental activities on the Five classic factors for Soil formation. 7 M

4. a) List the various developmental activities, which cause significant impacts on surface water resources for which a detailed EIA is required? 7 M
- b) Present the generalized approach for assessment of Air pollution impact. 7 M
5. a) Describe about the assessment of the impact of developmental activities on vegetation. 7 M
- b) Illustrate the effects of deforestation. 7 M
6. a) What is Environmental Audit? Describe its Basic purpose and Benefits. 7 M
- b) Explain about pre-audit activities & Audit activities at site. 7 M
7. a) What are Post Audit activities? 7 M
- b) Describe the salient features of the Wild life act, Air prevention & control of pollution act. 7 M
8. a) Enumerate the key functions to be considered in evaluating the Impact of Industrial development project. 7 M
- b) Prepare EIA case study of environment impact assessment statement for Thermal Power Plant. 7 M