

R09

Code No: 09A50107

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year I Semester Examinations, May/June – 2013

Environmental Impact Assessment and Management

(Civil Engineering)

Time: 3 hours

Max. Marks: 75

Answer any five questions  
All questions carry equal marks

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- 1.a) Explain the various steps in preparing of E1A report.  
b) Discuss about the need of EIA for Water Resources projects. [15]
2. Discuss about methodologies for identification of potential environmental impacts of typical engineering projects.  
a) Discuss in detail about the Cost/Benefit analysis of EIA  
b) Discuss in detail about the environmental parameters to be considered for preparation pre-project environment report. Describe the critical issues need to be considered. [15]
- 3.a) Discuss about environmental indices for water and air quality.  
b) Explain the various steps in preparing of E1A report. [15]
4. Explain the following approaches for prediction of environmental impacts of engineering projects:  
a) Qualitative approaches  
b) Mass balance approaches. [15]
- 5.a) Differentiate between deforestation and forest degradation.  
b) Explain the common causes of deforestation around the world. [15]
- 6.a) Explain Battle environmental Evaluation system. Discuss in detail the issues involved for assessment of impact.  
b) What is EMP? What are measures employed for mitigation of adverse environment? [15]
- 7.a) Explain the different stages of the Environmental audit.  
b) Describe the process of Audit protocol. [15]
8. Describe the salient features of  
a) Preparation of Audit Report  
b) Impact of Development Activities of Land use. [15]

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