

Roll No.

24520

B. Tech 7th Sem. (Civil Engineering)

Examination – June, 2016

ENVIRONMENTAL IMPACT AND MANAGEMENT

Paper : CE-421-F

Time : Three Hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any five questions. All Questions carry equal marks.

1. (a) Discuss the problems and issues related to the environment and their impact on society. 10
- (b) Describe briefly on the overview of socio-economic impacts in decision making of Environmental projects. 10
2. (a) Discuss the steps for predicting and assessment of impact on water environment. 10

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(b) How forest ecosystem is affected in development of hydro power project. 10

3. (a) What are the objectives and Scope of Environment Impact Assessment (EIA)? 10

(b) What are the EIA guidelines followed in India for a development project? Discuss with a suitable example. 10

4. (a) What are major environmental planning and economics in setting an industry in hilly areas? 10

(b) How to evaluate and identify the sources, types and quantities of pollutants generated by different phases of project activity? 10

5. (a) Discuss briefly the role of information technology in environmental and human health. 10

(b) Explain how the alternate energy sources play an important role in environmental impact. 10

6. Write in detail the concept of Deep ecology and role of environmental ethics in EIA. 20

7. (a) Explain the concepts of sustainable development in the Infrastructure. 10

(b) Discuss the role or importance of population dynamics in ecosystem stability. 10

8. Explain the following terms : 20

(i) Concept of an ecosystem

(ii) Ground water remediation

(iii) Disaster Management