

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 2448**

Roll No.

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**B. Tech.**

(SEM. VI) THEORY EXAMINATION 2010-11  
**ENVIRONMENT MANAGEMENT FOR  
INDUSTRIES**

*Time : 2 Hours*

*Total Marks : 50*

**Note :** Attempt **all** questions.

1. Attempt any **four** questions from the following : **(3.5×4=14)**
  - (a) What is Environmental Clearance ? Why it is necessary for new projects ?
  - (b) Discuss Government and Non Government organizational framework for Environmental Protections in India.
  - (c) What are stages involved in the prior Environmental Clearance (EC) Process for New Projects ?
  - (d) What is EIA ? Discuss its significance in India for protecting environment.
  - (e) Differentiate between EIA and Environmental Audit. What are pre-project activities for Environmental clearance ?
  - (f) Discuss key features of Environmental Protection Act (1986).

2. Attempt any **four** questions : (3×4=12)

- (a) What is the concept of Ecological Park ? Explain key features considering example of various industries.
- (b) Is it possible to establish zero emission industries ? Justify your opinion.
- (c) How the natural resources are affected from an Industrial activity ?
- (d) How the socio economic environment is affected from an Industrial Activities ?
- (e) Discuss key parameters that are to be considered while deciding a location of a new plant.
- (f) Discuss various pros and cons of setting mega housing project near a metropolis.

3. Attempt any **two** questions : (6×2=12)

- (a) List various attributes of physical, Biological and Socio-Economical Environment.
- (b) Discuss key local issues involved in setting a hydro project in Uttaranchal. How local issue are taken into consideration in Environmental Clearance ?
- (c) How demographical resources affect in deciding location of an industry ? Discuss demographical changes after commissioning an Industry.

4. Attempt any **two** questions :

**(6×2=12)**

- (a) What is environmental risk ? How it is expressed mathematically ? Differentiate between acute and chronic risk.
- (b) What is catastrophe ? Discuss catastrophic avoidance plan for Nuclear Power Plant.
- (c) Write down processes involved in Pulp and Paper industries. Also mention characteristics of emission from it and recommended process flow sheet for wastewater treatment.