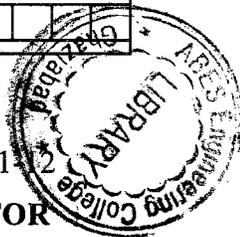


(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2448 Roll No.

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B.Tech.

(SEM. VI) THEORY EXAMINATION 2011

**ENVIRONMENTAL MANAGEMENT FOR
INDUSTRIES**

Time : 2 Hours

Total Marks : 50

Note :—Attempt all questions

i. Attempt any **four** questions of the following :—

(3.5×4=14)

- (i) List out the components of an Environmental Impact Assessment Report.
- (ii) Discuss about analysis of alternative methods.
- (iii) What are the limitations of environmental impact assessment ?
- (iv) Discuss the role of the Environment (Protection) Act 1986 to prohibit or restrict the setting and/or operation of any industrial facility on environmental grounds.
- (v) Ministry of Environment and Forest (MOEF) has formulated Comprehensive Environmental Pollution Index (CEPI) and set moratorium in some industrial area. Explain CEPI formulation.
- (vi) Describe the setup for compliance of environmental regulations in India.

2. Attempt any **four** questions of the following :—

(3×4=12)

- (i) How new industry would degrade the environmental conditions of major industrial clusters of country ?
- (ii) What are factors influences the location of an industry ?
- (iii) Why public participation is important in environmental decision making ?
- (iv) Explain an evaluation of factors for setting a Thermal power station.
- (v) Consider a chemical industry is to be set up near Delhi for which raw material is available from nearby ancillary. Justify or negate the location from emission point of view.
- (vi) What are the changes caused by industrialization ?

3. Attempt any **two** questions of the following :— (6×2=12)

- (i) What are emission factor and emission inventory ? Discuss the role of emission factor and inventory in the planning.
- (ii) What are air pollution index and water pollution index ? Why indices are developed ?
- (iii) Discuss various local environmental issues prevailing near the costal area. Also discuss post industrial development of the area.

4. Attempt any **two** questions of the following :— (6×2=12)

- (i) Discuss the process involved and emission from a distillery. What are suggestions for setting a zero emission ?
- (ii) Explain environmental and perceived risk. Discuss fault tree analysis for minimizing the risk.
- (iii) Write short notes on the following :
 - (a) EIA for Hazardous Wastes management system
 - (b) ISO 14000.