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B. TECH.
(SEM VIII) THEORY EXAMINATION 2017-18
ENVIRONMENTAL MANAGEMENT FOR INDUSTRIES

*Time: 3 Hours**Total Marks: 100***Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

1. Attempt *all* questions in brief. 2 x 10 = 20
- Explain different types of air pollutants.
 - What are different pollutants in fertilizer industry?
 - What are the major causes of water pollution?
 - Define environmental toxicology.
 - Explain the need of biological environment.
 - Explain ISO and ISO 14000.
 - What do you understand by physical environment?
 - Give short description about key institutions of MoEF.
 - What is IEE?
 - What is industrial activity?

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30
- Describe in brief the procedure of compliance monitoring in India.
 - Write short note on Environmental Impact Assessment and its benefits.
 - Explain the major elements of economic environment.
 - What is nuclear hazard? Explain the causes and effects of radiation emission.
 - Draw a neat and clean diagram of gravity settling chamber and discuss its advantages and disadvantages.

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10
- Explain the effluent treatment process in dairy industry.
 - Explain the reuse and recycle strategy of waste water for industries.
4. Attempt any *one* part of the following: 10 x 1 = 10
- Define EIA? Discuss the various steps involved in process of EIA with neat flow chart.
 - What are natural resources? Give the classification of them with suitable examples.
5. Attempt any *one* part of the following: 10 x 1 = 10
- What are the raw materials used in fertilizer industries?
 - Write in detail about Risk Assessment Report.

6. Attempt any *one* part of the following: 10 x 1 = 10

- (a) How the industrial activities affect the health of a human being? Explain.
- (b) What is Environmental Monitoring Cell? Explain its working.

7. Attempt any *one* part of the following: 10 x 1 = 10

- (a) Write short note on;
 - (i) ISO 14002-2004
 - (ii) Different types of industrial waste
- (b) Give the salient features of Environmental (Protection) Act, 1986.