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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

- a. Explain different types of air pollutants.
- b. What are different pollutants in fertilizer industry?
- c. What are the major causes of water pollution?
- d. Define environmental toxicology.
- e. Explain the need of biological environment.
- f. Explain ISO and ISO 14000.
- g. What do you understand by physical environment?
- h. Give short description about key institutions of MoEF.
- i. What is IEE?
- j. What is industrial activity?

SECTION B

2. Attempt any three of the following: 10 x 3 = 30

- a. Describe in brief the procedure of compliance monitoring in India.
- b. Write short note on Environmental Impact Assessment and its benefits.
- c. Explain the major elements of economic environment.
- d. What is nuclear hazard? Explain the causes and effects of radiation emission.
- e. 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

- (a) Explain the effluent treatment process in dairy industry.
- (b) Explain the reuse and recycle strategy of waste water for industries.

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

- (a) Define EIA? Discuss the various steps involved in process of EIA with neat flow chart.
- (b) What are natural resources? Give the classification of them with suitable examples.

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

- (a) What are the raw materials used in fertilizer industries?
- (b) 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.