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B. TECH.
(SEM III) THEORY EXAMINATION 2018-19
ENVIRONMENT AND ECOLOGY

Time: 3 Hours**Total Marks: 70****Note:** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.**2 x 7 = 14**

- a. What are hot spots of biodiversity?
- b. What are various types of air pollutants?
- c. Explain the various environmental effects of mineral extraction.
- d. Write short note on balanced ecosystem.
- e. Explain various impacts of water pollution on environment.
- f. Explain the uses of solar energy.
- g. What is fossil? What are fossil fuels?

SECTION B

2. Attempt any three of the following:**7 x 3 = 21**

- a. Elaborate the statement "Multidisciplinary nature of environmental science".
- b. What are ecological pyramids? Explain different types of ecological pyramids with suitable examples.
- c. What are natural resources, classify them.
- d. Define ecosystem. Explain various components of an ecosystem structure.
- e. What is acid rain? Give various effects of acid rain on environment.

SECTION C

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

- (a) What is material cycle? Explain nitrogen cycle with neat diagram.
- (b) What is deforestation? Discuss various causes and effects of deforestation.

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

- (a) Discuss the energy scenario in Indian context.
- (b) What is biodiversity? What are various conservation techniques for biodiversity conservation?

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

- (a) What is ozone layer formation and depletion? Explain its various effects on environment.
- (b) What is solid waste? Explain in brief in solid waste disposal methods.

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

- (a) Discuss how women education aid with the development of India.
- (b) Discuss the fluoride and arsenic problem in drinking water.

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

- (a) Briefly discuss the salient features of Environmental (Protection) Act, 1986.
- (b) Write short note on;
 - (i) Greenhouse effect
 - (ii) Eutrophication