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Paper Code: TEV-101.

**B.TECH.(FIRST SEMESTER)**  
**Mid Semester Examination 2019**  
**ENVIRONMENTAL SCIENCE**

Time: 1:30 Hours

MM: 50

**Note:**

- (i) This question paper contains two sections.
- (ii) Both Sections are compulsory.

**Section -A****Q1. Write True/False**

(1X5=5 Marks)

- a. The decomposers are also known as autotrophs. (True/False)
- b. Energy pyramids are always upright. (True/False)
- c. In 1935 ecologist A.G.Tansely coined the term Ecosystem. (True/False)
- d. The term environment is originated from the French word environner. (True/False)
- e. River ecosystem is a example of artificial ecosystem. (True/False)

**Q2. Attempt any five parts:**

(3X5=15 Marks)

- a. Differentiate between Artificial and Natural Ecosystem.
- b. Define Atmosphere.
- c. Define direct and indirect benefits of forest.
- d. Define food web with suitable example.
- e. Define decomposers and producers.
- f. Explain the application of solar power as energy resource.

**Q3. (Attempt any two questions of choice from a, b and c)**

(5X2=10 Marks)

- a. Describe the scope of Environmental studies?
- b. Explain the various levels of biodiversity?
- c. Describe the ecological pyramids in detail with suitable diagram?

**Q4. (Attempt any two questions of choice from a, b and c)**

(5X2=10 Marks)

- a. Define ecosystem. Write the various components of ecosystem with flowchart?
- b. Define Food Chain? Name and explain various types of food chains with suitable examples?
- c. Define Natural Resources? Differentiate between Renewable and Non Renewable Natural resources?

**Q5. (Attempt any two questions of choice from a, b and c)**

(5X2=10 Marks)

- a. What is Ecological Succession? Describe the basic types of ecological succession and stages of succession?
- b. Write the merits and demerits of constructing the large hydropower dams in the Himalayan regions.
- c. Define environmental science? What do you mean by multidisciplinary nature of environment science?