

**CODE: 17CA51102**

B. Tech I Year I Semester Regular Examinations, December 2017

**ENVIRONMENTAL STUDIES**

(Common to ME & ECE)

Time: 3 hours

Max Marks: 70

**PART – A**

1. Answer any **ten** questions (10 x 2 = 20 Marks)
- Define Ecosystem?
  - Describe Lentic ecosystem?
  - Define Pyramid of Numbers?
  - Define Pyramid of Biomass?
  - Define Pyramid of Energy?
  - Define Energy Flow?
  - Describe biotic components of ecosystem?
  - Define biodiversity?
  - Define Hotspots?
  - Describe the Habitat Fragmentation?
  - Describe the Biodiversity at Local Level?
  - Define water harvesting?

**PART - B**

Answer all five units (5 x 10 = 50 Marks)

**UNIT-I**

2. Describe briefly scope and importance of Environmental science?  
OR
3. Describe briefly Water resources use and effects of over-utilization of surface and ground water?

**UNIT-II**

4. Discuss the structure and function of ecosystem with suitable example?  
OR
5. Describe the Ecological succession with neat sketch and explain with suitable example?

**UNIT-III**

6. Describe the Indian Biogeographic zones?  
OR
7. Describe the threats to Biodiversity explain with examples?

**UNIT-IV**

8. Define Air pollution and explain causes, effects and control measures of Air pollution?  
OR
9. Define Water pollution and explain causes, effects and control measures of Water pollution?

**UNIT-V**

10. Explain Human population and the Environment Population growth, variation among nations?  
OR
11. Explain HIV / AIDS Process of Infection and Prevention, Treatment?

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