

Reg. No: 

--	--	--	--	--	--	--	--	--	--

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**B.Tech II Year II Semester Supplementary Examinations March-2021**

**ENVIRONMENTAL STUDIES**

(Civil Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- 1 a Define environment. 2M  
b What are renewable and non-renewable resources? Give examples. 10M

**OR**

- 2 What are the major causes for conflicts over water? Discuss one international and national one inter-state water conflict. 12M

**UNIT-II**

- 3 a Discuss the models of energy flow in an ecosystem. 8M  
b What are the different zones in a lake ecosystem? 4M

**OR**

- 4 Discuss the process of ecological succession. 12M

**UNIT-III**

- 5 a Define biodiversity. Explain genetic diversity, species diversity and ecosystem diversity. 5M  
b What are the major threats to biodiversity? 7M

**OR**

- 6 What is Red Data Book? What do you mean by extinct, endangered, vulnerable and rare species? Name some endangered species of plants and animals in our country. 12M

**UNIT-IV**

- 7 Enumerate with examples the major sources of surface and ground water pollution. Discuss adverse effects and control of water pollution. 12M

**OR**

- 8 a Write a short note on 7M  
i) Floods  
ii) Cyclones  
iii) Landslides  
b How can you, as individual, prevent environmental pollution? Why such an effort at an individual level is important? 5M

**UNIT-V**

- 9 Write a note on:  
a Kyoto protocol 6M  
b Montreal protocol 6M

**OR**

- 10 a Discuss the salient features of Water (Prevention and control of pollution) Act, 1974. 6M  
b Discuss the salient features of Air (Prevention and control of pollution) Act, 1981. 6M

\*\*\* END \*\*\*