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

**B.Tech II Year II Semester Supplementary Examinations July-2022**

**ENVIRONMENTAL STUDIES**

(Civil Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

1 Define environment and discuss multidisciplinary nature of environmental studies. **L1 12M**

**OR**

2 a Write the classification of minerals with examples. **L2 6M**

b Explain the major environmental impacts of mineral extraction. **L2 6M**

**UNIT-II**

3 a Explain briefly food chain and food web with examples. **L2 6M**

b What is ecological pyramids and explain with neat diagram. **L1 6M**

**OR**

4 a Write notes on energy flow in an ecosystem. **L2 6M**

b Explain the structure and functional components of forest ecosystem. **L2 6M**

**UNIT-III**

5 a Write notes on Value of biodiversity. **L2 7M**

b Discuss the hot spots of biodiversity. **L1 5M**

**OR**

6 a What is meant by in- situ conservation of biodiversity? Give examples. **L1 6M**

b What is meant by ex- situ conservation of biodiversity? Give examples. **L1 6M**

**UNIT-IV**

7 Define Air pollution .Give an account of causes and effects of air pollution. Enumerate various methods for control of air pollution. **L2 12M**

**OR**

8 a What is watershed management? Discuss practices of watershed management. **L1 6M**

b Write a short note on ozone layer depletion. **L2 6M**

**UNIT-V**

9 Explain the salient features of forest conservation act & wildlife protection act. **L5 12M**

**OR**

10 a What are the strategies taken for the development of child in healthy environment. **L5 6M**

b Discuss the impact of increase of pollution on environment. **L2 6M**

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