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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)  
**B.Tech II Year II Semester Supplementary Examinations July-2021**  
**ENVIRONMENTAL STUDIES**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Classification of minerals with examples. 6M  
b Discuss briefly droughts and floods 6M

**OR**

- 2 a What are the effects of deforestation on Environment? 6M  
b What are major causes for conflicts over water? 6M

**UNIT-II**

- 3 a Explain the structure and functional components of forest ecosystem. 6M  
b Discuss the models of Energy flow in an Ecosystem. 6M

**OR**

- 4 a Explain with the help of a diagram the nitrogen cycle. 5M  
b Explain different types of ecological pyramids with neat sketch. 7M

**UNIT-III**

- 5 a Explain about Genetic diversity. 6M  
b Give a brief account on Social value. 6M

**OR**

- 6 a Give a brief account on Ex-situ Conservation. 6M  
b Explain about the Red data book. 6M

**UNIT-IV**

- 7 a What is watershed management? Discuss Practices of watershed management. 7M  
b Discuss the sources, effects and control of ozone layer depletion. 5M

**OR**

- 8 a Write a note on Role of individual in prevention of pollution. 6M  
b Write a note on Population growth? 6M

**UNIT-V**

- 9 a What are the strategies taken for the development of child in healthy environment? 6M  
b Write a note on Montreal protocol. 6M

**OR**

- 10 a Discuss the impact of increase of pollution on environment. 4M  
b Discuss the salient features of Water Act. 8M

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