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

**B.Tech III Year II Semester Supplementary Examinations February-2022**

**ENVIRONMENTAL STUDIES**

(Common to ME & AGE)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Discuss the major environmental impacts of mineral extraction. 6M  
b Brief note on Nuclear Energy. 6M

**OR**

- 2 a Classification of minerals with examples. 6M  
b What are the effects of deforestation on Environment? 6M

**UNIT-II**

- 3 a Explain the energy flow in an ecosystem. 6M  
b Discuss the models of Energy flow in an Ecosystem. 6M

**OR**

- 4 a Define food chain. Write its types. 6M  
b Explain the structure and functional components of forest ecosystem. 6M

**UNIT-III**

- 5 a Discuss the hotspot of bio diversity? 6M  
b Explain In-situ Conservation. 6M

**OR**

- 6 a Discuss the values of bio diversity. 9M  
b What is Aesthetic value? 3M

**UNIT-IV**

- 7 a Write a note on Water Pollution. 6M  
b What is solid waste management? Explain its causes and effects. 6M

**OR**

- 8 a What is watershed management? Discuss Practices of watershed management. 6M  
b What is an earth quake? Write its effects. 6M

**UNIT-V**

- 9 a Describe your recent visit to any industrial site and explain the impact of pollutants emitted on environment. 6M  
b What is the role of Information technology in Environment and human health? 6M

**OR**

- 10 a Write a note on Kyoto protocol. 6M  
b Discuss the impact of increase of pollution on environment. 6M

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