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

B.Tech II Year I Semester Supplementary Examinations August-2021

ENVIRONMENTAL STUDIES
(EEE,ECE,CSIT & CSE)

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 Explain Classification of minerals with examples. **6M**

OR

- 2 Differentiate Renewable and Nonrenewable resources with examples. **12M**

UNIT-II

- 3 a Define ecosystem and explain in detail about ecological pyramids. **6M**
b Explain the energy flow in an ecosystem. **6M**

OR

- 4 Explain various processes involved in 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 are the hotspots of biodiversity? Which are the hotspots found in India? Discuss their salient features. **12M**

UNIT-IV

- 7 Define air pollution. What are the natural and manmade pollutants that cause air pollution? Enumerate various methods for control of air 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 a What are the strategies taken for the development of child in healthy environment? **6M**

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

OR

- 10 Explain about Municipal solid waste management. **12M**

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