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

B.Tech III Year II Semester Regular Examinations May 2019

ENVIRONMENTAL STUDIES

(Mechanical Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Define Environment. 2M
b Discuss multidisciplinary nature of environmental studies. 10M

OR

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

UNIT-II

- 3 a Explain the structure and functional components of forest ecosystem. 6M
b Define Food Chain and Food Web. Explain its significance. 6M

OR

- 4 a Define Ecosystem. 2M
b Explain the structural components of desert and lake ecosystem. 10M

UNIT-III

- 5 a Define Biodiversity. 2M
b Explain In-situ and Ex-situ Conservations. 10M

OR

- 6 a Which are the hotspots found in India? Discuss their salient Features. 6M
b Explain the major threats of Biodiversity. 6M

UNIT-IV

- 7 a Define Noise pollution. 2M
b Explain the causes, effects and control measures of Noise pollution. 10M

OR

- 8 Discuss the sources, effects and control measures of Acid rains, Global warming and Ozone layer depletion. 12M

UNIT-V

- 9 What is the role of Information technology in Environment and human health? 12M

OR

- 10 a Explain Kyoto Protocol. 6M
b Write a brief note on Montreal protocol. 6M

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