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Code No: EN1501

GEC-R14

II B. Tech II Semester Regular Examinations, May 2016

ENVIRONMENTAL STUDIES
(Electrical and Electronics Engineering (R))

Time: 3 Hours

Max. Marks: 60

Note: All Questions from **PART-A** are to be answered at one place.

Answer any **FOUR** questions from **PART-B**. All Questions carry equal Marks.

PART-A

6 × 2 = 12M

1. Define Ecology and Ecosystem
2. Define renewable energy and non-renewable energy
3. Define in term hotspot biodiversity
4. Define air pollution
5. Differentiate between recycling and reuse.
6. List major pollution control acts in India.

PART- B

4 × 12 = 48 M

1. a) Explain the role of producers, consumers and decomposers in an ecosystem. (6M)
b) Write short notes on ecological pyramids and energy flow (6M)
2. a) What are ecological benefits of forests and explain the causes of deforestation? (6M)
b) What are the different types and importance of natural resources? (6M)
3. a) Explain about various threats associated with biodiversity of India. (6M)
b) What is the importance of protecting the biodiversity? Discuss. (6M)
4. a) Define water pollution. Explain its effect on human beings. (6M)
b) What are the major causes and effects of soil pollution? Discuss. (6M)
5. a) How municipal solid waste can manage in Indian cities? Discuss. (6M)
b) Write short notes on carbon credits and carbon trading. (6M)
6. a) Explain the phenomenon of global warming and the factors contributing it. (6M)
b) What are the salient features of Air Acts? (6M)
