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**ES-3001(AT/CS/EE/EI/EX/FT/IT) (CBGS)**

**B.E. IV Semester**

Examination, November 2018

**Choice Based Grading System (CBGS)**

**Energy, Environment, Ecology and Society**

**Time : Three Hours**

**Maximum Marks : 70**

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Parts of question should be attempted together.

1. Explain the term energy. Distinguish between Renewable and Non-renewable sources of energy with suitable examples. Describe solar energy and its potential as alternative source of energy with reference to India.
2. What is Environment? Discuss briefly various segments of environment. Explain various structural zones of atmosphere with the help of suitable diagram.
3. What is the role of Ozone layer in protecting the earth planet? How Ozone layer is getting depleted? What are the consequences of ozone layer depletion? How can it be checked? <http://www.rgpvonline.com>
4. What are Water pollutants? Discuss various sources and adverse effects of pollutants in water. How Water Pollution can be avoided?
5. What is solid waste Management? Discuss briefly about disposal medical and e-waste.

6. Write brief notes on (any two) of the following:

- a) Wind Energy
- b) Nitrogen Cycle
- c) Acid Rain

7. a) Discuss disadvantages of sound pollution. How Sound Pollution is measured and Controlled?

b) Discuss adverse effects of pollutants in soil. How can it be controlled?

8. Write short notes on (any two) of the following:

- a) Green House effect
- b) Ethics and moral values
- c) Biodiversity

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