

Roll No .....

**ES-3001(CS/EE/EI/EX/FT/IT) (CBGS)****B.E. IV Semester**

Examination, May 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.

1. a) Write about renewable and non renewable sources. 6  
b) Explain the sources of energy in solar, wind, nuclear sources and fossil fuel. 8
2. Explain about segments of environment. 14
  - i) Atmosphere
  - ii) Hydrosphere
  - iii) Lithosphere
  - iv) Biosphere
3. a) Explain about: 10
  - i) Green house effect
  - ii) Ozone layer depletion
  - iii) Acid Rain
 b) Write about classification of Air pollutants. 4

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4. Explain about treatment of Domestic and Industrial water effluent. 14
5. What are the pollutants in soil and write about controlling measures? 14
6. Explain given cycles in Ecosystem. 14
  - a) Water cycle
  - b) Carbon cycle
  - c) Nitrogen cycle
7. a) Write about causes of sound pollution. 5
  - b) Explain the controlling measures in sound pollution. 9
8. a) Write about preliminary studies regarding environmental protection acts. 7
  - b) Write short notes on solid waste management. 7

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