

Total No. of Questions : 8 ] [ Total No. of Printed Pages : 2

Roll No. ....

**302(N)**

**B. E. (Third Semester) EXAMINATION, Feb., 2010**

**(New Scheme)**

**(Common For CS, EC, EE, EI, EX, IT, BT & BM Engg.)**

**ENERGY, ENVIRONMENT, ETHICS AND SOCIETY**

*Time : Three Hours*

*Maximum Marks : 100*

*Minimum Pass Marks : 35*

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

(ii) Parts of the same question should be attempted at one place.

1. (a) What is energy ? Write various conventional and non-conventional energy sources.  
Discuss solar energy and geothermal energy sources. 15  
(b) Write a short note on global warming. 5
2. (a) Explain the term society. Discuss the impact of population, affluence and technology on the environment. 15  
(b) Write a short note on socio-culture system. 5
3. (a) What is atmosphere ? Discuss the characteristics of the major regions of the atmosphere with the help of suitable diagram. 15  
(b) Write a short note on ecosystem. 5

**P. T. O.**

4. (a) What is Air Pollution ? What are the sources of  $\text{NO}_x$  and CH in the atmosphere ? Write the harmful effects of  $\text{NO}_x$  and CH. How can they be controlled ? 15  
(b) Write a short note on water pollution due to heavy metals. 5
5. (a) Define ethics. Explain the importance of ethics in society. Discuss various ethical situations. 15  
(b) Write a short note on IEEE professional code. 5
6. (a) What is noise pollution ? Write the adverse effects of noise pollution. What are the sources and control measures of noise pollution ? 15  
(b) Write a short note on India's energy scenario. 5
7. (a) What is biodiversity ? Write the importance of biodiversity. How the biodiversity may be conserved ? 15  
(b) Write a short note on water cycle. 5
8. Write brief notes on any *four* of the following : 5 each  
(i) Ozone layer depletion  
(ii) Fossil fuels  
(iii) Environment impact assessment policies  
(iv) Food chains  
(v) Moral values