

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

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4. (a) What is Air Pollution ? What are the sources of NO_x and CH in the atmosphere ? Write the harmful effects of 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