

Roll No.

24762

B. Tech. 4th Semester (FT)

Examination – May, 2017

ENERGY ENVIRONMENT ETHICS AND SOCIETY

Paper : FT-204-F

Time : Three Hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Question No. 1 is compulsory. Attempt total five questions. Selecting one question from each Unit. All questions carry equal marks.

1. Attempt *all* questions : 2 × 10 = 20
- (a) What do you mean by energy environment ?
 - (b) Define term of nuclear fusion energy.
 - (c) Explain the concept of global warming.
 - (d) What do you mean by exponential growth of population ?
 - (e) Define the term of socio-culture system.
 - (f) What do you mean by ecosystem ?

- (g) Explain the term of energy balance of earth.
- (h) Define the term of Food chains.
- (i) What do you mean by ACM professional code ?
- (j) Explain the concept of Water cycle.

UNIT - I

2. (a) What is energy and explain the present Indian and global environment issues. 10 × 2
- (b) Write a short note on global energy solutions.
3. What do you mean by renewable energy and explain its techniques used in renewable energy in present time in India. 20

UNIT - II

4. Explain the term society and discuss the impact of population, affluence and technology on the environment. 20
5. Write short notes on : 4 × 5
 - (a) Environment impact assessment policy.
 - (b) Socio-culture system.
 - (c) Environmentally optimum sustainable population.
 - (d) Free access resources.

UNIT - III

6. 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 ? 20
7. Explain the product life cycle assessment for environment and explain the different provision of ISO 14000. 20

UNIT - IV

8. Define moral values. Explain the importance of ethics in society. Discuss various ethical situations. 20
9. Write short notes on : 10 × 2
 - (a) Common and professional ethics.
 - (b) Explain the different ethical values criteria like utilizations.