

24762

**B.Tech. 4th Semester (FT)**

**Examination, May-2016**

**ENERGY ENVIRONMENT ETHICS AND SOCIETY**

**Paper-FT-204-F**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

**Note : Section-A is compulsory. Attempt total five questions. Selecting at least one question from each unit. All questions carry equal marks.**

1. Attempt all the 10 questions :  $2 \times 10 = 20$
- (i) Discuss the term of energy environment.
  - (ii) Define term of global warming.
  - (iii) Explain the concept of global environmental issue.
  - (iv) What do you mean by P.A.T. ?
  - (v) Define the term of Socio-culture system.
  - (vi) What do you mean by DFE ?
  - (vii) Explain the term of product life cycle assessment.
  - (viii) Define the term of biodiversity.
  - (ix) What do you mean by ACM professional code ?
  - (x) Explain the concept of morality and conflicts.

**Unit-I**

2. (i) What do you mean by energy environment and explain the importance of energy environment analysis in present scenario.
- (ii) Explain the present status of nuclear fusion energy.

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[P.T.O.]

3. Write the short note on :

- (i) Energy resources coal and gas
- (ii) Green energy solutions.
- (iii) Synergy between energy and environment
- (iv) Greenhouses gas emission.

#### Unit-II

4. What do you mean by e apparel fabrics and explain its scope and importance in modern energy time ?

5. Write short notes on :

- (a) Exponential growth in population
- (b) Environmental problems
- (c) Life support system
- (d) Application of Gauge and leno fabrics.

#### Unit-III

6. What is biodiversity ? Write the importance of biodiversity. How the biodiversity may be conserved ?

7. Write brief notes on following :

- (a) ISO 14000
- (b) Design for environment
- (c) Environment impact assessment polices
- (d) Food chains.

#### Unit-IV

8. Define ethics and moral values. Explain the importance of ethics in society. Discuss various ethical situations.

9. Write short notes on :

- (a) IEEE professional code.
- (b) Define codes of ethics and explain their limitations.