

## **MODEL QUESTION PAPER**

**SECOND SEMESTER M.TECH DEGREE EXAMINATION**  
(Civil Engineering: Structural Engineering & Construction Management)

### **CME 2004 ENERGY MANAGEMENT IN BUILDINGS**

Time: 3 hours

Max. Marks: 60

(Answer two questions from each Module. All questions carry equal marks)

#### **Module – I**

1. Discuss the various forms of energy and energy scenario in India
2. Explain the possibilities of non conventional energy sources.
3. Describe the need for the Energy Conservation.

#### **Module – II**

4. Discuss the relevance of energy efficient technologies in HVAC systems.
5. What is hybrid system of thermal comfort? State the outstanding features.
6. Elucidate the role of designing according to the climate.

#### **Module –III**

7. Discuss the concepts of Green Buildings.
8. What are the various rating systems for the assessment of sustainability?
9. Write a note on water recycling and energy conservation.