

BTS 166 (E)

B.TECH. DEGREE III SEMESTER (SUPPLEMENTARY) EXAMINATION IN
CIVIL ENGINEERING
JUNE 2002

CE 305 HABITAT ENGINEERING
(1998 Admissions)

Time: 3 Hours.

Maximum Marks: 100

- I. What are the different 'thermal indices'? What are their limitations in application? Explain. (15)
- OR**
- II. Write short notes on:
(i) Psychrometric chart
(ii) Climatic graph (15)
- III. What do you mean by periodic heat flow? Explain time lag and decrement factor. (15)
- OR**
- IV. Explain the objective and method of 'heat loss calculation'. (15)
- V. Explain the different methods of thermal insulation of walls and roofs. (20)
- OR**
- VI. With neat sketches explain different type of concrete stairs. (20)
- VII. With neat sketches explain the parts and operation of an air conditioning plant. (15)
- OR**
- VIII. What are the factors to be considered while designing a ventilation system of a residential building? (15)
- IX. Write short notes on lamps and luminaries. (15)
- OR**
- X. Explain the lumen method and point by point method for design of artificial lighting. (15)
- XI. Prepare a brief note on various types of sound absorbers. (20)
- OR**
- XII. What are the various accoustical defects? Discuss. (20)

