

**B.TECH. DEGREE III SEMESTER EXAMINATION IN
CIVIL ENGINEERING
JANUARY 2001**

CE 305 HABITAT ENGINEERING

Time: 3 Hours

Maximum Marks: 100

- I. How does the size and position of openings affect air movement inside a Building? Give necessary sketches. (20)
- OR**
- II. Compare the characteristic features of hot dry and warm humid climate. (20)
- III. (a) Discuss the elements of climate. (10)
(b) What are the factors affecting human comfort? (10)
- OR**
- IV. Explain with sketches the various external shading devices of a building. (20)
- V. (a) The 'indigenous technology' is always appropriate technology. Elaborate. (10)
(b) Discuss mud as a building material for construction. (10)
- OR**
- VI. (a) Planning aspects of building affect the cost effectiveness. Explain. (10)
(b) Discuss a few cost effective techniques adopted in building construction. (10)
- VII. What are the major housing schemes implemented in Kerala? Discuss two major schemes in detail. (20)
- OR**
- VIII. (a) Briefly discuss the qualitative and quantitative shortage of housing. (10)
(b) Distinguish between housing need and housing supply. (10)
- IX. Which are various financial institutions that promote housing? Elaborate The role of HUDCO. (20)
- OR**
- X. Write short notes on the following:-
(i) Housing situation in India in brief. (10)
(ii) Building bye-laws (5)
(iii) Micro and Macro climate (5)

