Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 08

B.Architecture (2012 & Onwards EL-I)   (Sem.–8)
SUSTAINABLE ARCHITECTURE–I
Subject Code : BACH-807
M.Code : 72751

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. ALL questions carry EQUAL marks Except Question no.1.
2. Attempt FIVE questions including compulsory Question no.1
3. Attempt TWO questions from EACH UNIT.

1. Write short notes on the following :   (5×2=10)

    a. Ecosystem

    b. Carbon credits

    c. Life cycle assessment

    d. GRIHA

    e. ECBC

UNIT-I

2. What is meant by the term "Sustainable Development"? Discuss the objectives and scope of sustainable development.   (12.5)

3. Write a detailed note on the growth of human settlements from early ages to contemporary times.   (12.5)

4. Enlist renewal sources of energy and discuss the importance and potential of solar energy.   (12.5)

UNIT-II

5. Explain solar passive architecture. Highlight your answer by describing any four solar passive techniques.   (12.5)

6. Enlist the building rating systems followed in India and discuss any one of these. (12.5)

7. Write a note on recycling and reuse in the building industry.   (12.5)

8. Elaborate on the LEED India rating system.   (12.5)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.