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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

Paper ID : [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.

**Q1. Write short notes on the following :****(5×2=10)**

- a. What are 3 R principle of sustainable development?
- b. What do you understand by ECBC code?
- c. Define Global Warming.
- d. Explain GRIHA.
- e. What is relation between man and environment?

**UNIT-I**

- Q2. What do you understand by Sustainable Development? Enlist various objectives of Sustainable development. (12.5)
- Q3. Discuss in detail the role of Architect in Sustainable development. (12.5)
- Q4. What do you understand by Resources in sustainable development? Explain various Renewable and Non renewable Resources. (12.5)
- Q5. Define Indoor Air quality and its parameters. What is role of Indoor Air quality in Living? (12.5)

**UNIT-II**

- Q6. Explain in detail the concept of Sustainable Construction in built Environment. What are its major parts? (12.5)
- Q7. Enlist the major strategies of LEED? (12.5)
- Q8. What solar Passive strategies you as an architect will suggest to the client in north Indian Climate? (12.5)