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BACHELOR OF ARCHITECTURE (BARCH)

Term-End Examination

December, 2012

**BARE-079 : INTELLIGENT BUILDING SYSTEMS
(ELECTIVE - 2)**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any five questions in all. Question no. 1 is compulsory. Illustrate your answers with neat sketches wherever possible.

1. Write about the concepts of : (*any four*) 4x3.5=14
 - (a) Building Management
 - (b) Effective Space Management
 - (c) Business Management
 - (d) Building Intelligence
 - (e) Zero Energy Building

2. Define Intelligent Building Systems and their applications along with advantages and disadvantages. 14

3. Discuss about the development of computer integrated buildings and their effectiveness in comparison to other buildings. 14

4. Write about the importance of facility management planning and its operation techniques. 14
 5. Discuss the importance and impact of IT for effective communication of architectural design. 14
 6. What is Building Automation? Elaborate with examples available in India. 14
 7. Discuss briefly the issues to site, shell, skin, technology and services in a building. 14
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