| | BARE-079 |

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

00272   **December, 2016**

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

Time : 3 hours   *Maximum Marks : 70*

Note : *Question no. 1 is **compulsory**. Attempt any **four** questions from the rest. All questions carry equal marks.*

1. Write notes on any **two** of the following :   *2×7=14*

    (a) Building Skin System

    (b) Intelligent Buildings

    (c) Integrated Safety System

2. Explain the terms : Sensors, Actuators and Direct Digital Controllers with examples.   *14*

3. Discuss the factors influencing the advancement in stages of 'Intelligent Building Systems'.   *14*

4. Elaborate the scope of 'Architectural Design' and 'Integration of Building Automation Systems'.   *14*

5. Explain 'Building Information Modelling' technique for effective communication in design of IBs at different stages. *14*

6. Discuss Intelligent lighting design techniques and its scope in intelligent building services. *14*

7. Differentiate between Automated buildings and Responsive buildings. Support your answer with examples. *14*

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