BARE-079

BACHELOR OF ARCHITECTURE (B.Arch.)
Term-End Examination

00111   **June, 2015**

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

Time : 3 hours   *Maximum Marks : 70*

Note : *Question no. 1 is* **compulsory**. *Attempt* **four** *more questions from the remaining. Illustrate your answers with neat sketches wherever possible.*

1. Write short notes on any **four** of the following :   *14*

    (a)   Intelligent Buildings .

    (b)   Life Cycle Cost of Building

    (c)   Automated Buildings

    (d)   Effective Buildings

    (e)   Responsive Buildings

2. Discuss in brief the history of the development of Intelligent Building concept and their technological applications.   *14*

3. Discuss in detail the importance of facility management planning and operation techniques in a building.   *14*

4. What do you understand by Intelligent Design ? Explain the importance of building efficiency studies with respect to life cycle costs.   *14*

5. Compare intelligent buildings and traditional buildings in terms of architect's role and responsibilities.   *14*

6. Write about the present technological context in building services. Differentiate between single function systems and integrated solutions (Computer integrated buildings).   *14*

7. Define multi activity settings. Elaborate on the generic analysis of space utilization.   *14*

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