

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

December, 2017

00252

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

Time : 3 hours

Maximum Marks : 70

Note : Attempt any **five** questions. Provide neat sketches to support your answers.

1. Give a brief outline of the Intelligent Building system, its components and scope. 14

2. Explain Integrated Daylight Harvesting System with regard to Intelligent Buildings . 14

3. Describe the importance of Facility Management Planning and detail out the operation techniques of a F.M. group. 14

4. Discuss the advanced technology application for 'vertical circulation' and 'data management' within Intelligent Buildings. 14
 5. Write on potential application of Information and Communication Technologies (ICT) for coordinating on-site construction work from design to pre-occupancy stages. 14
 6. Explain the safety and surveillance methods in Intelligent Buildings. 14
 7. Define Life Cycle Cost (LCC). Explain the building efficiency study with regard to LCC. 14
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