

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

June, 2016

00228

**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) Intelligent Access Control System
 - (b) Intelligent Lighting Design Technique
 - (c) Automated HVAC System

2. Discuss the advancement of Intelligent Building Systems with reference to technological advancement. **14**

3. What do you understand by 'Intelligent Architecture'? Elaborate the role of architects in Intelligent Building Design. **14**

4. What is 'Facility Management' ? Define the scope of IBs for improved facility management practice. 14
 5. Discuss building efficiency studies with respect to life cycle costs. 14
 6. Discuss the importance and role of IT in Intelligent Building Systems. 14
 7. Building skin is one of the most important design aspects for IBS. Explain with reference to some control measure. 14
-