

BACHELOR OF ARCHITECTURE (B ARCH)

Term-End Examination

December, 2012

002223

**BARE-072 : ADVANCED BUILDING SERVICES
(ELECTIVE 1)**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any 5 questions in all. Question No.1 is compulsory. Illustrate your answers with sketches wherever possible.

1. Discuss Briefly : (*Any four*) 4x3.5=14
 - (a) Balancing storage
 - (b) Breakdown storage
 - (c) Fire storage
 - (d) Refuse Disposal
 - (e) Recycling Techniques

2. Write about types of elevators/lifts and its general controls along with its advantages and disadvantages. Elaborate with neat sketches. 14

3. Discuss about water supply and sanitation with special emphasis on innovative approaches in rural and urban areas. 14

4. Differentiate between Artificial and Natural lighting. Write about the lighting system design criteria and considerations for different types of buildings. 14
5. Write about the design criteria for fixing the sizes of pipes of a simple distribution system. 14
6. Write an overview of fire and life safety requirements in building codes. 14
7. Explain the following. (*Any two*) 2x7=14
- (a) Water pipeing systems in Buildings.
 - (b) Rain water harvesting and its impact on savings.
 - (c) Waste Disposal systems and Regeneration possibilities.
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