

**BACHELOR OF ARCHITECTURE (B.Arch.)**

**Term-End Examination**

**December, 2016**

00292

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

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt any **five** questions. All questions carry equal marks. Draw neat sketches wherever necessary.*

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1. Write short notes on any **two** of the following :  $2 \times 7 = 14$ 
  - (a) Recycling Technique
  - (b) Fire Detection Equipments
  - (c) Inter-communication System
  
2. Define electric load. Discuss the electrical distribution systems in a high rise building. Draw neat sketches to elaborate wiring systems and other components involved in supply and distribution. 14
  
3. Discuss in detail about sanitation and drainage design for a high rise building using neat sketches and briefly explain about the pipes and other components involved. 14

4. Explain in detail the sewage collection and disposal systems for urban complexes with special emphasis on energy regeneration type of systems. 14
  
5. What are the design standards for design of lift lobbies and for the installation of lifts that an architect follows ? 14
  
6. Discuss in detail, the cabling system for telecommunication installations in a high rise building. 14
  
7. Write the different parameters to be considered for
  - (a) computing normal demand and special demand of water,
  - (b) design of water distribution systems for water supply in Group Housing Complexes.

7+7=14

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