

00458 BACHELOR OF ARCHITECTURE (B ARCH)

Term-End Examination

June, 2013

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 the sketches wherever necessary.*

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1. Explain *any two* of the following : 7x2=14
  - (a) High rise buildings
  - (b) EPBX, PBX
  - (c) Methods of firefighting
  
2. Explain in detail related to operation and maintenance of rural water supply and sanitation system. 14
  
3. What is the sewage collection ? Explain design of sewage collection system. 14

4. Explain the following terms related to illumination : 3.5x4=14
- (a) Solid angle illumination
  - (b) Utilization factor
  - (c) Factors affecting visual tasks
  - (d) Candela
5. What are the differences between single and three phase AC supply ? Also state the advantages and disadvantages of AC and DC supply. 14
6. Define Escalators. Discuss about its operation, layout and design consideration and explain with neat sketches its components. 14
7. Explain in brief the electric load calculation and arrangements for the following : 7x2=14
- (a) Auditoriums
  - (b) Airports
8. Explain the following : 7x2=14
- (a) Measures of preventing fire in buildings
  - (b) Telephone wiring systems in office building
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