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No. of Printed Pages : 2

BARE-072

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

December, 2015

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

Time : 3 hours

Maximum Marks : 70

Note : Attempt *five* questions in total. All questions carry equal marks. Question no. 1 is **compulsory**.

1. Explain the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Computing Demand and Special Demands
 - (b) Energy Regeneration
 - (c) PBX, EPBX
 - (d) Waste Management Processes
2. Define a water distribution system. Write about its various components and the arrangement of distribution pipes and other accessories. 14
3. Discuss in detail the various kinds of arrangements in electrical supply and distribution for a high rise building with special emphasis on the components involved. 14

4. Explain in detail the hierarchy followed in the process of waste disposal systems. Support your answer with necessary sketches. 14

 5. Explain the measures of fire prevention in a building. Write about the various fire-fighting devices and their functions. 14

 6. What are the design considerations for service conduits of a building structure ? Explain the telephone wiring systems in a building. 14

 7. Describe the design considerations and details of an escalator/lift with respect to a public building design. Support with neat sketches. 14
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