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BARE-072

**BACHELOR OF ARCHITECTURE (B.Arch.)****Term-End Examination, 2019****BARE-072 : ADVANCED BUILDING SERVICES  
(ELECTIVE 1)****Time : 3 Hours]****[Maximum Marks : 70**

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

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1. Write short notes on **any four** of the following :[ $3\frac{1}{2}\times 4=14$ ]
- (a) Landfills
  - (b) Fan Coil Unit
  - (c) Run-off Coefficient
  - (d) Flocculation
  - (e) Miniature Circuit Breaker
2. Explain the various water treatment methods at a city level. [14]

3. Explain the mechanism of fire and smoke detection in a high rise building and the extinguishing processes adopted. [14]
4. What is meant by 'Rain Water Harvesting' ? Describe in detail the procedure of rainwater harvesting in a multistoryed building in an urban area. [14]
5. Explain the method of providing electric supply in a building from a transformer to the building and distribution within. How is the electrical load calculated ? [14]
6. Explain the various components of a centralised air conditioning plant for a large open office space. [14]

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