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43 (3) BUSR (I) 3-6

2012

**BUILDING SERVICES – I**

Paper : BUSR (I) 3-6

Full Marks : 100

Pass Marks : 40

Time : Three hours

*The figures in the margin indicate full marks for the questions.*

*Answer any five questions.*

1. (a) Write down the classifications of various sources of water supply. 5+15=20  
(b) Write down the various classifications of wells. Explain in brief.
  
2. (a) Define conduits and its different types. 5+15=20  
(b) Explain in brief different impurities in water.

*Contd.*

3. (a) Write down the objectives of purification of water.  $5+15=20$
- (b) Write down the methods of water purification. Explain the sequence of treatment of water purification with a flow diagram.
4. (a) What do you mean by the term coagulation? Write down the principle of plain sedimentation.  $5+5+10=20$
- (b) Write down the comparative characteristics of Slow Sand Filter and a Rapid Sand Filter.
5. (a) Define a distribution system.  $5+15=20$
- (b) What are the general requirements of a distribution system?
6. (a) Define sewage, sewer and sewerage.  $5+15=20$
- (b) Explain in brief the various methods of sewage collection.

7. (a) Define sewer appurtenances. Write down the classification of Manholes.  $10+10=20$

- (b) Describe in brief the *two* general methods of disposing of the sewage effluents.