

Total number of printed pages-3

43 (3) BLDS-I 3-6

2015

BUILDING SERVICES-I

Paper : ARC-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 classification of various sources of Water supply. 5
- (b) Write down the various classifications of Wells. Explain in brief. 15
2. (a) Define Sewage, Sewer and Sewerage. 5
- (b) Explain in brief the various methods of Sewage collection. 15

Contd.

3. (a) What do you mean by the term Coagulation? Write down the principle of plain sedimentation. 5+5
- (b) Write down the comparative characteristics of slow sand filter and a rapid sand filter. 10
4. (a) Define Conduits and its different types. 5
- (b) Explain in brief different impurities in water. 15
5. (a) Write down the objectives of purification of water. 5
- (b) Write down the methods of water purification. Explain the sequence of treatment of water purification with a flow diagram. 15
6. Describe a Septic tank with sketch. 20

Or

- Write short note with sketch 2×10
- (a) Wash basin
- (b) Anglo-Indian W.C.

- (c) Intercepting trap
- (d) Gulley trap
- (e) Septic tank
- (f) Indian W.C. & Western W.C.
- (g) Anti siphonage pipe
- (h) 4 systems of drainage
- (i) Inspection chamber
- (j) Conduit
7. (a) Define a distribution system. 5
- (b) What are the general requirements of a distribution system? 15