

Total number of printed pages-3

43 (ARC-3) 3-6

2018

BUILDING SERVICES-I

Paper : ARC 3-6

Full Marks : 100

Time : Three hours

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

1. Fill in the blanks : **(any ten)** $10 \times 1 = 10$
- (a) Reservoir means _____.
 - (b) Average domestic consumption of water per day/per person is _____.
 - (c) Screening means _____.
 - (d) Shapes of traps are _____, _____, _____.
 - (e) Air values consist of _____, _____, _____.
 - (f) Soil pipe carries wastes from _____ and _____.

Contd.

- (g) Flocculation process is _____.
- (h) Various types of water demands are _____, _____, _____.
- (i) Bath tubs are provided with _____ and _____ pipes.
- (j) Types of materials used for pipe are _____, _____, _____, _____.
- (k) Sanitary fittings are _____.
- (l) Types of stormwater inlets are _____ and _____.

2. Explain briefly with labelled sketches :

(any six)

6×5=30

- (a) Fire Hydrant
- (b) Bib Cocks and Stop Cocks
- (c) Intercepting Trap
- (d) Gully Trap
- (e) Infiltration Wells
- (f) Artesian Wells and Screening
- (g) Composite inlet
- (h) Line valves and types.

3. Answer the following with needful sketches :

(any three)

3×20=60

- (a) What is the purpose of trap? What are the different types of traps? Explain with needful sketches.
- (b) Explain the process of Sewage Treatment Plant with labelled sketches.
- (c) Explain the different forms of underground sources of water supply.
- (d) What do you mean by Indian W.C., Western W.C. and Anglo Indian W.C.? What is a Flushing Cistern?