Sub Code: RAR306

Paper Id: 181306 Roll No: | | | | | | | | | | | | |

BARCH

(SEM III) THEORY EXAMINATION 2019-20

ARCHITECTURAL SERVICES-I

Time: 3 Hours ***Total Marks: 50***

Notes:

- *Attempt all Sections.*
- *Assume any missing data.*

SECTION A

Q.1 Attempt any five questions. **(5x2=10)**

a) Stop Valve
b) Float Valve
c) Non return/ check valve
d) Turbidity
e) fire hydrant
f) Centrifugal Pumps
g) Displacement pump

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SECTION B

Q.2 Attempt any four questions. **(4x5=20)**

a) Difference between S trap and floor trap.
b) Differentiate between Hard water and Soft water.
c) Difference between Bib cock and pillar tap.
d) What are pumps and its basic working Principal?
e) Draw symmetric diagram for a residential building for the cold-water supply.
f) What are valves? Explain air valve, reflux valve and relief valve.

SECTION C

Q.3 Attempt any two questions **(2x10=20)**

a) Draw plan of a toilet of 2400 mm x 1500 mm in appropriate scale
Assume any missing data
   - Showing types of valves
   - Toilet Fixtures
   - Traps

b) what are the purposes and process of treatment of water? Explain with the help of sketches.
c) What is septic tank? Explain principles involved in working of septic tank with the help of sketches.