

B.ARCH. SEM – III (CBCS – 2015 COURSE) : SUMMER - 2018
SUBJECT : BUILDING SERVICES – I

Day : **Monday**
Date : **07/05/2018**

Time : **10.00 AM TO 12.00 PM**
Max. Marks : 60

S-2018-3308

N.B.

- 1) Attempt any **THREE** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat and labeled diagrams wherever necessary.

SECTION – I

- Q.1** Explain with sketches any two layout of water distribution at city level. (10)
- Q.2** Describe any three materials used for pipes. (10)
- Q.3** Explain any two types of valves for water supply system. (10)
- Q.4** Describe the process of hydrological cycle. (10)
- Q.5** Write notes and draw sketches: (10)
- a) Materials used for water storage tank
 - b) Service connection

SECTION – II

- Q.6** Explain Sewage collection and disposal for individual house in Urban Area. (10)
- Q.7** Explain single and double pipe systems in plumbing for building drainage. (10)
- Q.8** Write short notes on: (10)
- a) Inspection chamber
 - b) Gully trap
- Q.9** What is soil water and waste water and explain it's drainage system. (10)
- Q.10** Draw only sketches with nomenclature: (10)
- a) Wash basin
 - b) Bath tub
 - c) W.C. pan
 - d) Flushing Tank

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