

**B.ARCH. SEM – III (CBCS – 2015 COURSE) : WINTER -
2017**

SUBJECT: BUILDING SERVICES – I

Day: **Wednesday**

Date: **08/11/2017**

Time: **10.00 AM TO 12.00 PM**

Max. Marks: 60

W-2017-3240

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 the various methods of layout of water distribution pipes. (10)
- Q.2** What are the basic requirements and materials used for the water storage tanks? (10)
- Q.3** What is a joint? Explain any three joints used in water supply system. (10)
- Q.4** Explain any four pipe materials used for supply of water. (10)
- Q.5** Write short notes on: (10)
- a) Air valve
 - b) Service connection

SECTION-II

- Q.6** Explain the construction and working of a Septic tank. (10)
- Q.7** Explain any three sanitary fittings used in a building drainage. (10)
- Q.8** Explain the procedure for laying of Sanitary pipes. (10)
- Q.9** Explain the various systems adopted in plumbing of drainage work in a building. (10)
- Q.10** Write short notes on: (10)
- a) Self cleansing velocity
 - b) Aqua privy

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