

**B.ARCH. SEM – III (CBCS – 2015 COURSE) : SUMMER - 2019**  
**SUBJECT: BUILDING SERVICES-I**

Day: Saturday  
Date: 11/05/2019

S-2019-3711

Time: 02.00 PM To 04.00 PM  
Max. Marks: 60

---

**N.B:**

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

**SECTION-I**

- Q.1** Explain in detail the purpose and working of Post Fire Hydrant in water supply system. (10)
- Q.2** Describe different methods of water supply depending upon topography. (10)
- Q.3** Explain with sketches any two layout of water distribution at city level. (10)
- Q.4** Explain the process of laying of water supply pipes. (10)
- Q.5** Write notes and draw sketches: (10)
- a) Water storage tank.
  - b) Sources of water supply.

**SECTION-II**

- Q.6** Explain One-pipe and Two-pipe systems in plumbing for house drainage. (10)
- Q.7** Explain the procedure for laying of sanitary pipes. (10)
- Q.8** Explain sewage disposal system for individual house in Rural area. (10)
- Q.9** Explain the two methods which are employed for collection and disposal of refuse of a locality. (10)
- Q.10** Write notes and draw sketches: (10)
- a) Aqua-privy.
  - b) Self-cleansing velocity.

\* \* \* \* \*

---