

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), NOVEMBER-2015

B.ARCH, II YEAR III SEMESTER

**BUILDING SCIENCE AND SERVICES (BS 3)
(WATER & WASTE MANAGEMENT)**

Time – 2.00 Hours

Maximum Marks - 50

a) Answer any Four out of 1 to 4 questions.

b) Question No. 5 is compulsory and answer any four sub-questions.

- Q1. Discuss the various types of water sources and elaborate about each source. **(15M)**
- Q2. In the supply of water, 'Pipe' plays a major role. Describe more about the given statement and explain about the properties of materials used for the Pipe. **(15M)**
- Q3. Explain the following types of stack systems for sewage network. **(15M)**
- (i) One pipe stack system
 - (ii) Dual stack system
- Q4. Discuss 'The storage tank' with respect to fresh water. Explain its purpose and materials along with plan and elevation of the same. **(15M)**
- Q5. Write about the following. **(4x5 = 20M)**
- (i) Bib Tap
 - (ii) Mixer valve
 - (iii) Pedestal wash basin
 - (iv) Gate valve
 - (v) Manhole
 - (vi) 'S' Trap
