

Total No. of printed pages = 2

CT-402/WS&SI/4th Sem/2014/N

**WATER SUPPLY AND SANITARY
INSTALLATION**

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. (a) What are the methods of carrying refuse ? 2
(b) Discuss systems of sewerage in detail. 12
2. (a) Discuss purpose of sanitation. 2
(b) What are the fundamentals of sanitation ?
Describe briefly. 12
3. (a) Describe necessities for distribution of water
supply. 3
(b) Discuss the methods of layout of distribution
pipes in detail. 11

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4. Discuss the salient features of reservoir design in detail. 14
5. (a) Discuss yield of a well. 3
- (b) Derive the equation for discharge in case of an unconfined aquifer, thus also write the equation for discharge in case of a confined aquifer. 11
6. (a) Define surface runoff. 3
- (b) How surface runoff can be harmful? Describe. 11
7. (a) How we can measure rainfall ? Discuss. 2
- (b) What are the factors based upon which the choice of source of water supply for a locality is determined ? 12