



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 181211

Roll No.

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B. Arch.

(SEM. II) THEORY EXAMINATION, 2014-15
ARCHITECTURAL SERVICES - I

Time : 3 Hours]

[Total Marks : 50

Note: (1) Question No. 1 is compulsory.

(2) Answer any four questions in all.

(3) Illustrated answers will be given due credit.

1 Draw a typical arrangement for waste water from a toilet and a kitchen in a residential building. (You can assume the size of toilet and kitchen). Give details for Nahni Trap, Gulley Trap and Manhole.

20

2 What are the purposes for treatment of water? Explain few ways by which water can be treated at domestic level.

10

3 Explain different systems of drainage for removing discharge from residential building.

10

- 4 Differentiate the following (Any Four) **10**
- (i) Circular & Radial Method of distribution
 - (ii) Continuous & intermittent supply
 - (iii) Gravity & Pumping method of distribution
 - (iv) Temporary and permanent hardness of water
 - (v) Disinfection & aeration of water.
- 5 Write detail notes on detection & prevention of wastage of water in the distribution system. **10**
- 6 What principles are involved in working of septic tank ? **10**
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