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AR-406

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

**PAPER ID : 8547**

Roll No.

**B. Arch.**

**(SEM. IV) EXAMINATION, 2006-07**

**BUILDING SERVICES (WS)**

*Time : 3 Hours]*

*[Total Marks : 50*

- Note :*
- (1) Question No. 1 is compulsory.*
  - (2) Answer any four questions.*
  - (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 Nalni Trap and Gulley Trap and Manhole. **20**
2. Explain (any **two**) of the following with neat sketches. **10**
  - (a) Lamphole
  - (b) Gulley trap
  - (c) Flushing cistern.

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[Contd...

3. Explain (any **four**) of the following : **10**
- (a) Pedestal wash basin
  - (b) Gate valve
  - (c) Water closet
  - (d) Submersible pump
  - (e) Artesian well.
4. Which system of discharge disposal will be preferred **10**  
in the areas where municipal under ground sewage  
system is not available. Explain with proper details.
5. What are the purposes for treatment of water? **10**  
Explain few ways by which water can be treated  
at domestic level.
6. Explain different systems of drainage for removing **10**  
the discharge from the residential building.
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