

## SECOND YEAR - FOURTH SEMESTER

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<b>AC 407</b>	<b>BUILDING SERVICES – I</b>	<b>(L=2,S=2,W=0)</b>	<b>CREDITS= 02</b>
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**INTERNAL ASSESSMENT.(TERM WORK) = 50**      **CONTACT HRS/WK = 04**  
**UNIVERSITY EXAMINATION = 50**

**Focus:** Building Services - Water Supply and Waste Disposal.

**Contents:** Water Supply - Sources, demand & elements of the system, layout and design of system, connections with municipal supply , rain water harvesting systems.  
Lay out for water supply, drainage & rain water system for a unit (Bungalow, Tenement or Flat) including calculations for storage units e.g. underground and terrace tanks.  
Waste disposal - Sullage and sewage. Various systems of waste removal and disposal. Fitting of various elements of the system, layout design  
Septic Tank –Necessity, Constructional and operational features  
Storm water disposal systems - combined and independent systems.

**Method:** Basic information to be given in lectures and application shown in case studies. A market survey for materials & rates may be carried out in order to include new products in market.  
Preparation of drawings for water supply, drainage & rainwater collection & disposal system for a unit showing details of bathrooms, toilets kitchen, terrace and their connection to the house drainage system.

### REFERENCES:

<b>SR.NO.</b>	<b>TITLE</b>	<b>AUTHOR</b>
01.	Water Supply & Sanitary Engineering	G.S.Birdie
02.	Public Health Engineering	Rangwala
03.	Building Services	F.Halls