

Printed Pages : 2



AR406(MTU)

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

PAPER ID : 181412

Roll No.

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B. Arch.

(SEM. IV) THEORY EXAMINATION, 2014-15
BUILDING SERVICES (WATER SUPPLY)

Time : 2 Hours]

[Total Marks : 50

- Note :
- (1) Attempt any five questions.
 - (2) All questions carry equal marks.
 - (3) Support your answers with neat and labelled sketches.

- 1 Explain the following : 2.5×4=10
 - (i) Water hammering
 - (ii) Water meter
 - (iii) Spigot and Socket joint
 - (iv) Bib cock.

- 2 Explain the working of Sewage Treatment Plant. 10
Discuss in detail : Intermittent sand filters and Trickling filters.

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[Contd...

- 3 (a) Explain with the help of sketches the service connection from the main distribution line to the residential building. 5
- (b) Explain various water supply fixtures used in a building. Discuss any one in detail. 5
- 4 Explain briefly the relevance of water harvesting in today's context; also describe different methods of rain water harvesting. 10
- 5 Differentiate between : 10
- (i) Grease trap and Gulley trap
- (ii) Inspection chamber and Intercepting chamber.
- 6 Draw and label the section of a eight-storied apartment building showing cold water supply and central hot water supply systems. 10
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