



KD-6405

B. Arch. II (Sem. IV) Examination

December - 2012

ARC - 406 : Building Services & Equipments - II

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Arch. 2 (Sem. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="ARC - 406 : Building Services & Equipments - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="0"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	
Student's Signature	

- (2) Figures in right indicate full marks.
- (3) Support your answers with necessary icons and sketches wherever necessary.
- (4) All questions have to be attempted in one answer sheet only.

1 Fill in the blanks :

10

- (1) _____ type of pipe is preferred for plumbing in the corrosion prone areas.
- (2) The distribution of water from the water treatment Plant by way of Dead end or tree type branching is appropriate for _____ type of cities.
- (3) The water demand for a hostel can be computed on the standard requirement of _____ LPCD.
- (4) The distribution of water from the water treatment plant to the dwelling units can be done using following three principles.
 - (a) _____
 - (b) _____
 - (c) _____

- (5) For a single family dwelling unit, the soil pipes have generally _____ mm as diameter and waste water pipes have _____ mm.
- (6) Aeration of the water is done to add _____ to the water.
- (7) The main source of water for Surat city is _____ .
- 2** Explain briefly with neat sketch. **5**
 Septic tank and its applications.
- 3** Explain through sketches : (any **three**) : **15**
- (1) For a residence of two BHK, a general bathroom measuring 2.0X 2.5 meters, having an Indian W/C, design the appropriate layout and show the fixtures in plan as well as section passing through the WC along with dimensions.
- (2) Draw a section through a manhole showing the typical features.
- (3) Draw a section through a Bath tub, as used with standard measurement.
- (4) A typical section through kitchen sink.
- 4** Explain : **10**
 Describe water treatment process as it is used for treating river water right from source to dispatch.
- 5** Writes short notes : (any **two**) **10**
- (1) curb inlets
- (2) rainwater harvesting process for individual dwelling unit
- (3) Soak pit
- (4) List down a various water demand. Explain any one.