



END Semester Examination
(CE(DE)-14014) Plumbing Services

Course: B.Tech

Branch: Civil Engineering

Semester: Sem VII

Year: 2014-2015

Max.Marks:60

Duration: 3 Hours

Time:-

2 to 5 p.m

Date:

30 NOV 2014

Instructions:

MIS No.

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1. Figures to the right indicate the full marks.
2. Mobile phones and programmable calculators are strictly prohibited.
3. Writing anything on question paper is not allowed.
4. Exchange/Sharing of anything like stationery, calculator is not allowed.
5. Assume suitable data if necessary.
6. Write your MIS Number on Question Paper

Q.1 Answer, any Three

15

1. What do you mean by model code? What are the different types of regulations in Uniform Plumbing Code?
2. List factors considered in planning of a toilet
3. Write item description of fixture trap.
4. List DWFU values of 5 fixtures/fittings.
5. Work place hazard.

Q.2 Explain with figures, any Three

15

1. Protection of underground pipes
2. Yoke venting
3. Type of impellers
4. Component of Gray Water Irrigation / Disposal system
5. Zoning in hydro-pneumatic system and 6.Ground water storage tank.

1. How will you disinfect contaminated water supply pipe?
2. Primary and secondary roof drain
3. Write a short note on site communication?
4. Solar hot water system and advantages of solar hot water recirculation
5. Work place hazards

Q. 4 Using the figure below,

15

1. Show all fixtures and fittings. Give dimensions w.r.t. architectural layout, plumbing fixtures and fittings.
2. Mark traps, soil, waste, vent and rainwater pipes. Indicate direction of flow and the pipe diameters. Assume one pipe system.

