

No. of Printed Pages : 4  
Roll No. ....

170765

**6th Sem / Branch : Civil Engineering**  
**Sub. : Plumbing Services**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Chisel is made up of (CO1)  
a) Hard metal                      b) Soft metal  
c) Rubber                          d) None of the above
- Q.2 The conduct through which water flow is called (CO2)  
a) Pipe                                b) Wrench  
c) Water distribution      d) None of the above
- Q.3 The discharge of tube well water is \_\_\_\_\_ than open well (CO3)  
a) More                                b) Less  
c) Equal                               d) None of the above
- Q.4 The test required for inspection of sewer line are (CO4)  
a) Air test                            b) Smoke test  
c) Water test                        d) All of the above
- Q.5 W.C.Full form is (CO5)  
a) Water cloth                      b) Water closet

(1)

170765

- c) Washing clothes      d) Watching close
- Q.6 Total mode of transfer of heat is (CO6)  
a) 4                                      b) 5  
c) 8                                      d) 3
- Q.7 The arrangement provided for receiving human urine is called (CO5)  
a) Urinal                              b) Bidet  
c) Trap                                d) Pop up waste
- Q.8 To check vertically and uniformity during construction of Wall which tool is used (CO1)  
a) Screwdriver                      b) Hanger  
c) Spirit level                        d) Plum bob
- Q.9 The instrument used to measure quantity of flow through service pipe is known as (CO3)  
a) Water meter                      b) Burrs  
c) Water Pump                      d) Fire hydrant
- Q.10 Scoure valve provided at (CO2)  
a) Higher point                      b) Lower point  
c) Midpoint                            d) None of the above

**SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 The spanner which is open on both sides is called \_\_\_\_\_. (CO1)
- Q.12 Hacksaw is \_\_\_\_\_ tool. (CO2)
- Q.13 Full form of HDPE \_\_\_\_\_. (CO3)

(2)

170765

- Q.14 The direction of pipe should not be \_\_\_\_\_ suddenly.  
(CO3)
- Q.15 In plumbing DWV means \_\_\_\_\_. (CO4)
- Q.16 Floor trap is also called \_\_\_\_\_. (CO5)
- Q.17 The heats from sun reach the earth through \_\_\_\_\_  
mode. (CO6)
- Q.18 Heat always move from to \_\_\_\_\_ lower temperature.  
(CO6)
- Q.19 The minimum size trap residential sink is \_\_\_\_\_.  
(CO4)
- Q.20 Dead and method of distribution water is also  
called \_\_\_\_\_. (CO3)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define holding tools. (CO1)
- Q.22 Explain the term plumbing and role of plumbing.  
(CO1)
- Q.23 Name the different type of pipe used in conveyance  
of water explain anyone. (CO2)
- Q.24 Name the various type of pipe joint and explain any  
two. (CO2)
- Q.25 Give the advantage and disadvantage of grid iron  
system of distribution of water supply. (CO3)
- Q.26 Define types of trap on the basis of shape. (CO4)

- Q.27 Differentiate one pipe system and two pipe system of  
drainage. (CO4)
- Q.28 What is septic tank and why it is provided. (CO4)
- Q.29 Define sink and mixing tap. (CO5)
- Q.30 Explain water heater and its types. (CO6)
- Q.31 Write in detail about the mode of heat transfer.(CO6)
- Q.32 Define manhole and its function. (CO4)
- Q.33 What is rainwater harvesting explain. (CO3)
- Q.34 Explain the process of pipe bending. (CO2)
- Q.35 Explain various types of wash basin. (CO5)

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the socket and spigot joint with sketch for  
pipe jointing also give its advantages and  
disadvantages. (CO2)
- Q.37 What is dead end system of water supply distribution  
system also give its advantages and disadvantages.  
(CO3)
- Q.38 Define one pipe system and two pipe system with  
sketch. (CO4)