

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

180754

**5th Sem / Branch : Civil**  
**Sub.: Plumbing Services**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

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

Q.1 \_\_\_\_\_ is used for plastering, brick laying and finishing concrete floors. (CO1)

- a) Spade                      b) Plumb hub
- c) Spirit level              d) Trowel

Q.2 What is the disadvantage of GI pipe? (CO2)

- a) It can be easily jointed after threading
- b) It is easy to detach joint
- c) This pipe can be easily affected by acid or alkaline water
- d) It will not get rusted easily because of galvanization

Q.3 What pipes are mostly used in Water Supply Scheme? (CO2)

- a) Steel pipe                  b) Lead pipe
- c) Cast iron pipe            d) Composite pipe

Q.4 A water having pH less than 7 is : (CO3)

- a) Alkaline                      b) Potable
- c) Acidic                        d) Neutral

Q.5 Which valve is provided at intervals in long mains to prevent hack pressure on the pump and in raising lines to prevent backflow of water? (CO3)

- a) Check valve                b) Mud valve
- c) Reflux valve                d) Pressure relief valve

Q.6 Access of inspection testing and cleaning of drain is provided by (CO4)

- a) Trap                         b) Cistern
- c) Inspection chamber      d) Gratings

Q.7 Water meter in piping system is used to check up: (CO4)

- a) Quantity                    b) Quality
- c) Pressure                    d) Controlling

Q.8 The pipe receiving discharge from water closet, urinals etc, are called : (CO5)

- a) Waste pipe                b) Soil pipe
- c) Rainwater pipe          d) Ventilation pipe

Q.9 Automatic flushing cisterns are done by : (CO5)

- a) E.W.C.                      b) L.W.C.
- c) Urinal                        d) Bidet

Q.10 How many modes of heat transfer. (CO6)

- a) Two                         b) Three
- c) Four                        d) Five

### SECTION-B

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

- Q.11 \_\_\_\_\_ is a tool used for assembly of pipe disassembly of pipe. (CO1)
- Q.12 \_\_\_\_\_ test is applied to check the alignment and condition of the inside of the pipes? (CO2)
- Q.13 RCC pipe are joined by \_\_\_\_\_. (CO2)
- Q.14 Tube well water is \_\_\_\_\_ than surface water. (CO3)
- Q.15 What is the function of foot valve? (CO3)
- Q.16 For checking and clearing of house drain, the access is provided by : (CO4)
- Q.17 Cesspool is a \_\_\_\_\_. (CO4)
- Q.18 In a mixing tap, cold water connection is given to \_\_\_\_\_ of user. (CO5)
- Q.19 Laying of water pipe is simple in case of \_\_\_\_\_ method.
- Q.20 Heat always move from \_\_\_\_\_ to lower temperature. (CO6)

### SECTION-C

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

- Q.21 Name different types tools required in plumbing. (CO1)
- Q.22 Explain the term of Plumber and skills required for plumber. (CO1)
- Q.23 What is the process of pipe bending. (CO2)
- Q.24 Explain Reciprocating pump with diagram. (CO3)

(3)

180754

- Q.25 Explain the construction, working of expansion joint. (CO2)
- Q.26 Explain mixing tap. (CO5)
- Q.27 What you understand by rain water harvesting? (CO3)
- Q.28 Name the various operation to be followed while laying underground pipes. (CO3)
- Q.29 Explain the water test for sewer. (CO4)
- Q.30 What Drop manhole and its function. (CO4)
- Q.31 Explain squat toilet with sketch. (CO5)
- Q.32 Explain various types of wash basin. (CO5)
- Q.33 Write a note on: (CO6)
- a) Conduction                      b) Convection
- Q.34 Explain the geyser. (CO6)
- Q.35 What is domestic hot water supply system (CO6)

### SECTION-D

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

- Q.36 Explain working and provision of different types of valve. (CO3)
- Q.37 Describes the stages of construction and laying of sewer. (CO4)
- Q.38 What is pipe joint and explain different types of pipe joint? (Co2)

Note : Course Outcome (CO) mentioned in the question paper is for official purpose only.

(3960)

(4)

180754