

Q.30 Write in details about the mode of heat transfers. (CO6)

Q.31 Write a short note on solar water heater. (CO6)

Q.32 Name the various type of pipe joint and explain anyone. (CO2)

Q.33 Explain the working of expansion joint. (CO2)

Q.34 Explain the back feeling after testing of pipelines. (CO4)

Q.35 What precautions to be taken during excavation for pipe? (CO4)

### SECTION-D

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

Q.36 Explain dead end system of water supply distribution system with sketch and also give its advantage and disadvantage. (CO3)

Q.37 Explain in brief stages of laying sewer lines. (CO4)

Q.38 Define various types of Pipes used in plumbing. (CO2)

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### 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 Bench vice is which type of tool (CO1)

- a) Cutting tool      b) Holding tool
- c) Fitting tool      d) Bending tool

Q.2 The symbol of joint flanged is (CO2)

- a) Double line      b) Single line
- c) Curve line      d) Only dot

Q.3 For joining of two different diameter pipes we use (CO2)

- a) Elbow      b) Union
- c) Reducer      d) Nipple

Q.4 Bell and spigot joint is mostly provided for (CO2)

- a) Cast iron pipe
- b) RCC Pipe
- c) Cement concrete pipe
- d) Copper and lead pipe

Q.5 Stop valve is also known as (CO3)

- a) Gate valve      b) Air relief valve

c) Globe valve      d) Needle valve

Q.6 Cost of laying water pipes in grid iron method is (CO3)

a) More      b) Less

Q.7 Which test is used to check the sewer line (CO4)

a) Water test      b) Air test

c) Smoke test      d) All of the above

Q.8 The capacity of the cistern in flush toilet varies between (CO5)

a) 15 to 20 litre      b) 5 to 15 litre

c) 2 to 10 litre      d) 10 to 20 litres

Q.9 Which colour absorb maximum energy (CO6)

a) Green      b) Red

c) Black      d) Blue

Q.10 The heat from sun reach the earth by which mode (CO6)

a) Conduction      b) Convection

c) Radiation      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 Define catchment \_\_\_\_\_ area. (CO1)

Q.13 Full form of PVC \_\_\_\_\_. (CO2)

Q.14 Impeller is provided in \_\_\_\_ pump. (CO3)

Q.15 Drainage system work under \_\_\_\_\_. (CO4)

Q.16 Define shower. (CO5)

Q.17 Heat always move form \_\_\_\_\_ to \_\_\_\_\_ temperature. (CO6)

Q.18 Dead end method of distributing water is also called \_\_\_\_\_. (CO3)

Q.19 Air valve placed on both side of \_\_\_\_\_ valve. (CO3)

Q.20 Hemp packing in pipe jointing is used to keep the joint \_\_\_\_\_. (CO2)

### SECTION-C

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

Q.21 Define plumbing and its role. (CO1)

Q.22 Give the advantage and disadvantage of cast iron pipe. (CO2)

Q.23 Name the different types of pipe used in conveyance of water. (CO2)

Q.24 What is rainwater harvesting explain. (CO3)

Q.25 Write a short note on centrifugal pump. (CO4)

Q.26 On the basis of Shape defines types of trap. (CO4)

Q.27 Writ a short note on septic tank. (CO4)

Q.28 What is the advantage of one pipe system over two pipe system. (CO4)

Q.29 Explain the types of wash basin. (CO5)