

- 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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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)

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- 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)

(3)

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