

No. of Printed Pages : 4
Roll No.

220716

1st Sem / Civil

Subject : Plumbing Services

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 The tool which is open on both ends is called (CO1)
a) Wrench b) Open ended spanner
c) Rover jumper d) Spade
- Q.2 What is the angle of deviations provided on elbows and bends in pipe works. (CO2)
a) 30 and 60 degree b) 90 and 45 degree
c) 20 and 30 degree d) 60 and 45 degree
- Q.3 Scour valves are provided at (CO3)
a) Lower points b) Top points
c) Middle points d) Gate
- Q.4 The slope of waste pipe should be (CO4)
a) 1 in 12 to 1 in 48 b) 1 in 2 to 1 in 4
c) 1 in 6 to 1 in 8 d) 1 in 48 to 1 in 64

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Q.5 A toilet is also known as (CO5)

- a) Pop up waste b) W.C
c) Sink d) Wash basin

Q.6 There are _____ modes of transfer of heat. (CO6)

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

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 In most soldering iron tips, the base metal is _____ (CO1)
- Q.8 HDPE stands for _____ (CO2)
- Q.9 _____ are also called non elevated reservoir. (CO3)
- Q.10 _____ removes the BOD by 90%. (CO4)
- Q.11 In plumbing what does DWV means _____ (CO4)
- Q.12 The _____ colour absorbs maximum energy on it as compared to other color. (CO6)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Define plumber. Explain the skills required for an plumber. (CO1)

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- Q.14 Write a note on cutting tools. (CO1)
- Q.15 Enlist the names of different type of pipe used in conveyance of water. (CO2)
- Q.16 Give the advantages and disadvantages of cast iron pipe. (CO2)
- Q.17 Write a note on rainwater harvesting. (CO3)
- Q.18 Write the operations to be followed while laying underground pipes. (CO3)
- Q.19 Define Septic tank and why it is provided? Explain. (CO4)
- Q.20 Write down the steps to be followed in construction and laying of sewers. (CO4)
- Q.21 Write a note on pop up waste. (CO5)
- Q.22 Explain in detail about the modes of heat transfer. (CO6)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain collar joint and asbestos pipe joint along with their advantages and disadvantages. (CO2)
- Q.24 Differentiate between centrifugal pump and reciprocating pump. (CO3)
- Q.25 Explain various tests that are required to be done while inspection and testing of a sewer line between two manholes. (CO4)