

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 used for tightening and loosening of nuts and bolts of standard size is (CO1)
a) Wrench b) Spanner
c) Water pump plier d) Chisel
- Q.2 Joint used for cast iron and steel pipe (CO2)
a) Spigot joint b) Flanged joint
c) Nipple joint d) Universal joint
- Q.3 Safety valve is also called (CO3)
a) Gate valve b) pressure relief valve
c) Globe valve d) Needle valve

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- Q.4 When a _____ is broken in a drainage system smell will escape back to the building. (CO4)
a) Water seal b) Cesspool
c) Manhole d) None of these
- Q.5 Floor trap is also called (CO5)
a) Gully trap b) Nahni trap
c) Intercepting d) None of these
- Q.6 The heat from sun reaches the earth through _____ mode. (CO6)
a) Conduction b) Convection
c) Radiation d) All of the above

SECTION-B

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

- Q.7 _____ helps in checking the levelling of surface. (CO1)
- Q.8 PVC stands for _____ (CO2)
- Q.9 Impellers is provided in _____ pump. (CO3)
- Q.10 The minimum size trap for residential sink is _____ (CO4)
- Q.11 Drainage system works under _____ (CO4)

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- Q.12 The _____ colour reflects maximum energy on its 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 Explain the term plumbing and role of plumbing. (CO1)
- Q.14 Write short note on fitting tools. (CO1)
- Q.15 Describe the advantages and disadvantages of steel pipes. (CO1)
- Q.16 Write a short note on Pipe elbow. (CO2)
- Q.17 Write a note on Infiltration galleries. (CO3)
- Q.18 Write in detail about fire hydrants. (CO3)
- Q.19 What are the requirements of a good trap? Explain. (CO4)
- Q.20 Explain in Detail about Cesspool. (CO4)
- Q.21 Explain water closet and urinal. (CO5)
- Q.22 Explain in detail about thermal equilibrium in heat transfer. (CO6)

SECTION-D

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

- Q.23 Explain Flanged Joint and Expansion joint along with their advantages and disadvantages. (CO2)
- Q.24 Explain Ring system and Radial system along with their advantages and Disadvantages. (CO3)
- Q.25 What are manholes? What are its functions? Explain? (CO4)