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Roll No.

220716

**1st Sem. Branch: Civil Engineering
Sub : Plumbing Services**

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 Hack saw is a _____ tool. (CO1)

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

Q.2 Scoure valve provided at (CO2)

- a) Higher point
- b) Lower point
- c) Midpoint
- d) None of the above

Q.3 Safety valve is also called pressure (CO3)

- a) Safety valve
- b) Relief valve
- c) Gate valve
- d) Check valve

Q.4 The minimum size trap for residential sink is (CO4)

- a) 36 mm
- b) 38 mm
- c) 40 mm
- d) 42 mm

Q.5 W.C. Full form is (CO5)

- a) Water cloth
- b) Water closet
- c) Washing clothes
- d) Watching close

Q.6 There are _____ modes of transfer of heat (CO5)

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

SECTION-B

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

Q.7 In bench vice one jaw is fixed and other is _____? (CO1)

Q.8 Full form of HDPE _____? (CO2)

Q.9 Air valve is placed on both sides of _____? (CO3)

Q.10 Drainage system works under _____? (CO4)

Q.11 _____ is the oldest material used for sewer line which is highly resistant to acid. (CO1)

Q.12 Heat flows from one point to other if there is _____ in temperature. (CO5)

(1)

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(2)

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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 Enlist the names of the different tools required in plumbing.
(CO1)
- Q.15 Describe the process of pipe bending.
(CO2)
- Q.16 Enlist any four advantages and disadvantage of P.V.C. Pipes
(CO2)
- Q.17 Explain rain water harvesting technique.
(CO3)
- Q.18 Define centrifugal pump with their advantages.
(CO3)
- Q.19 Write a short note on cesspool.
(CO4)
- Q.20 Describe the various problems in drainage?
(CO4)
- Q.21 Write a short note on solar water heater.
(CO5)
- Q.22 Explain in detail about the mode of heat transfer.
(CO5)

(3)

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(2800)

(4)

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SECTION-D

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

- Q.23 Describe grid iron system is water supply distribution with sketch and also gives its advantages and disadvantages.
(CO3)
- Q.24 Explain one pipe system of drainage with sketch and also give its advantages or disadvantages.
(CO4)
- Q.25 Describe in brief various stages of laying sewer lines.
(CO4)