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**5th Sem / Civil Engineering
Subject:- Plumbing Services**

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory
(10x1=10)

Q.1 The tools which are used for holding the pipes in plumbing operations are called.

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

Q.2 Bell and spigot joint is mostly provided for

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

Q.3 Stop valve is also known as

- a) Gate valve b) Globe valve
- c) Air relief valve d) Needle valve

Q.4 In Plumbing what does DWV means

- a) Drain work vent b) Double waste vent
- c) Drain waste vent d) Double work vent

Q.5 The capacity of the cistern in flush toilet varies between

- a) 15 to 20 liter b) 5 to 15 liter
- c) 2 to 10 liter d) 10 to 20 liters

Q.6 The _____ colour absorbed maximum energy on it as compared to other colour.

- a) Green b) Red
- c) Black d) White

Q.7 The pipe line should be laid in

- a) Straight line b) Parallel
- c) Opposite d) None of these

Q.8 Floor trap is also called

- a) nahni trap b) gully trap
- c) S trap d) Q trap

Q.9 Automatic flushing cistern are done by

- a) E.W.S b) L.W.C
- c) Urinal d) Bidet

Q.10 How many modes of heat transfer

- a) Two
- b) three
- c) Four
- d) Five

(1)

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(2)

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SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Fitting tools are _____?

Q.12 L.D.P.E stands for _____?

Q.13 Check valve is also called _____?

Q.14 The lowest point on the interior of a drain pipe where the liquid is deepest is called _____?

Q.15 _____ in the cheapest pipe which is light in weight

Q.16 Heat always moves from _____ to lower temperature

Q.17 Cesspool is a _____

Q.18 In a mixing tap, cold water connection is given to _____ of user

Q.19 Laying of water pipe is simple in case of _____ method

Q.20 Rcc pipe are joined by _____.

SECTION-C

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

Q.21 Define plumber, Explain the skills required for plumber.

Q.22 Write the rules to be followed for designing and installing plumbing system

Q.23 Enlist the names of different type of pipe used in conveyance of water.

Q.24 Give the advantage and disadvantage of HDPE pipes.

Q.25 Write in detail about fire hydrants.

Q.26 Define septic tank any why it is provided.

Q.27 Enlist any five advantages of one pipe system over two pipe system?

Q.28 Give detail about heat transfer?

Q.29 Write in detail about the modes of heat transfer?

Q.30 Define plumber, Explain the skill required for plumber.

Q.31 Explain the system of water supply.

Q.32 Name the various operation to be followed while laying underground pipes

Q.33 What are the cause of breaking of seals

Q.34 Define manhole, where they are provided

Q.35 Explain the solar water heater.

SECTION-D

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

Q.36 Explain working and provision of different types of valve

Q.37 Write a note on :-

a) Conduction

b) Convection

Q.38 Explain various types of wash basin