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**5th Sem. / Civil  
Subject : Plumbing Services**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note: Multiple type Questions. All Questions are compulsory. (10x1=10)**

- Q.1 Stop valve is also known as  
a) Gate valve      b) Air Relief Valve  
c) Globe valve      d) Needle valve
- Q.2 The tools which are used for holding the pipes in plumbing operation are called  
a) Cutting tool      b) Holding tool  
c) Fitting tool      d) Bending tool
- Q.3 Dead end method of distribution water is also called  
a) Tree system      b) Grid Iron system  
c) Ring system      d) Rodial system
- Q.4 The capacity of the cistern in a flush toilet usually varies between.  
a) 10-15      b) 5-15  
c) 20-25      d) 25-30
- Q.5 The heat from sun reaches the earth through \_\_\_\_\_ mode.  
a) Radiation      b) Conduction  
c) Both of the above      d) None of these
- Q.6 Bell and Spigot Joint is mostly provided for  
a) Cast iron pipe      b) RCC Pipe  
c) Cement Concrete pipe d) Copper Load pipe
- Q.7 Bell and spigot joint is mostly provided for  
a) Cast iron      b) RCC pipe  
c) Cement concrete pipe d) Copper & lead pipe
- Q.8 GI pipes are joining  
a) Easy      b) Difficult  
c) Very hard      d) None of these
- Q.9 Ferrule is made of  
a) Brass      b) Bronze  
c) Both of these      d) None of these
- Q.10 Drainage system works under  
a) Gravity      b) Pressure  
c) Flow      d) Volume

**Section-B**

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

- Q.11 In Bench vice one Jaw is \_\_\_\_\_ and other is \_\_\_\_\_.

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- Q.12 The Proses of supplying water to the consumer is called as \_\_\_\_\_.
- Q.13 Storage tanks are generally proffered for \_\_\_\_\_.
- Q.14 The minimum size trap for residential sink is \_\_\_\_\_.
- Q.15 Indian toilet is a type Y toilet called \_\_\_\_\_.
- Q.16 Heat flous from one point to other if there is \_\_\_\_\_ temperature.
- Q.17 \_\_\_\_\_ in the cheapest pipe which is light in weight.
- Q.18 A toilet is also known as \_\_\_\_\_.
- Q.19 Scour valve are provide at \_\_\_\_\_.
- Q.20 Impeller is provided in \_\_\_\_\_ pump.

### Section-C

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

- Q.21 Define plumber, Explain the skill required for plumber.
- Q.22 Write the advantages and disadvantages of P.V.C. pike.
- Q.23 What is rain water harvesting? Explain.
- Q.24 Write a short note on cesspool.
- Q.25 Explain mixing tap.
- Q.26 Write in details about the modes of heat transfer.
- Q.27 Write in detail about fire hydrants.
- Q.28 Define septic tank any why it is provided.

- Q.29 Describe the various source of water subtly schemes?
- Q.30 Explain reciprocating pump with diagram.
- Q.31 Explain the geyser.
- Q.32 What is domestic hot water supply system.
- Q.33 What drop manhole and its function.
- Q.34 Explain the construction, working of expansion joint.
- Q.35 Write note on distribution reservoir.

### Section-D

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

- Q.36 Explain dead end system of water supply distribution with sketch and also give its advantage and disadvantage.
- Q.37 Explain two pipe system with diagram.
- Q.38 Explain the process of pipe bending.