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Roll No.....



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**Pattern for 22 Batch
Sem. 1 NEP / 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 The tools which are used for holding the pipes in plumbing operations are called. (CO-1)

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

Q.2 Bell and spigot joint is mostly provided for (CO-2)

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

Q.3 Stop valve is also known as (CO-3)

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

Q.4 In plumbing what does DWV means (CO-4)

- 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 (CO-5)

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

Q.6 The _____ colour absorbed maximum energy on it as compared to other colour (CO-5)

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

Section-B

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

Q.7 Fitting tools are _____? (CO-1)

Q.8 L.D.P.E. Stands for _____? (CO-2)

Q.9 Check valve is also called _____? (CO-3)

Q.10 The lowest point on the interior of a drain pipe where the liquid is deepest is called _____? (CO-4)

Q.11 _____ in the cheapest pipe which is light in weight. (CO-4)

(1)

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(2)

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Q.12 Heat always moves from _____ to lower temperature. (CO-5)

Section-C

Note: Short answer type Question. Attempt any Eight questions out of Ten Questions. (8x4=32)

Q.13 Define plumber. Explain the skills required for plumber. (CO-1)

Q.14 Write the rules to be followed for designing and installing plumbing system. (CO-1)

Q.15 Enlist the names of different type of pipe used in conveyance of water. (CO-2)

Q.16 Give the advantage and disadvantage of HDPE pipes. (CO-2)

Q.17 Describe the various sources of water supply schemes? (CO-3)

Q.18 Write in detail about fire hydrants. (CO-3)

Q.19 Define septic tank any why it is provided. (CO-4)

Q.20 Enlist any five advantages of one pipe system over two pipe system? (CO-4)

Q.21 Give details about Heat Transfer? (CO-5)

Q.22 Write in detail about the mode of heat transfer? (CO-5)

Section-D

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

Q.23 Explain the socket and spigot joint with sketch for pipe jointing also give its advantages and disadvantages. (CO-2)

Q.24 Explain dead end system of water supply distribution with sketch and also give its advantage and disadvantage. (CO-3)

Q.25 Describe in brief various stages of laying sewer lines. (CO-4)