

No. of Printed Pages : 4
Roll No.

220743

4th Sem/Branch : Civil

Subject : Water Supply and Waste Water Engineering

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 The average domestic consumption in india per person per day in liters is .
a) 150 b) 135
c) 180 d) 200
- Q.2 The process of supporting the sides of trenches by wooden member is termed as _____ of trenches.
a) Excavation b) Timbering
c) Setting out d) Bedding
- Q.3 The process used for the removal of dissolved carbon dioxide from the supply water is.
a) Coagulation b) Agitation
c) Aeration d) Sedimentation
- Q.4 The degree of turbidity can be measured by
a) Turbidity rod b) Turbid meter
c) both (a)&(b) d) None of these

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- Q.5 For joining the sewers at different levels the devices or appliances used is called.

- a) Drop manhole b) Man-hole
c) Both (a)&(b) d) None of these

- Q.6 The process of self purification depends upon.

- a) sunlight
b) Velocity of water
c) Temperature of sewage
d) All of above

SECTION-B

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

- Q.7 What is the design period?
- Q.8 The chamber used to collect the rain water free from suspended particles is called.
- Q.9 The velocity of flow of water in a sedimentation tank may normally be kept between _____.
- Q.10 Sluice valve is also known as gate valve (True/False)
- Q.11 The process of placing the excavated soil back into the trench all round the pipes is called _____.
- Q.12 DEF means _____.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What is hydrological cycle.
- Q.14 Explain variation in rate of demand.
- Q.15 What is requirements of pure water.
- Q.16 Explain sedimentation and its type.
- Q.17 Write a short note on continuous system.
- Q.18 Explain excavation of trench and what are precaution during excavation.
- Q.19 What are difference between water carriage and conservancy system.
- Q.20 Explain construction of drop manhole and give its function.
- Q.21 Explain air test.
- Q.22 Explain traps and its classification.

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SECTION-D

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

- Q.23 Explain water supply fixture and their installation.
- Q.24 What are the different comparison between combined system and separate system.
- Q.25 Explain dead and system of water supply distribution with sketch and also give its advantage and disadvantage.

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