

Question : 1 The ratio between peak hourly water demand and maximum daily demand (Per hour of course) is:

- A : 1.5
- B : 1.8
- C : 2
- D : 2.7

Question : 2 Which type of drainage system will collect the rainwater?

- A : Primary
- B : Secondary
- C : Tertiary
- D : Primary and tertiary

Question : 3 Which of the following method is used to forecast the population of old and very large city?

- A : Arithmetical increase method
- B : Geometric progression method
- C : Graphical method
- D : Logistic curve method

Question : 4 A turbidimeter using blue cobalt plate is

- A : Jackson turbidimeter
- B : Baylis turbidimeter
- C : Tube turbidimeter
- D : Plate turbidimeter

Question : 5 At lower pH, the contact period required for chlorination is

- A : Lower
- B : Higher
- C : Same
- D : None of the above

Question : 6 On which scale the turbidity is measured

- A : Platinum scale
- B : Silica cobalt scale
- C : Silica platinum scale
- D : Standard

Question : 7 The pathogens can be killed by

- A : Nitrification
- B : Chlorination
- C : Oxidation
- D : None of these

Question : 8 'Brack point' in break point chlorination curve is a point for which the residual chlorine for an applied dose of chlorine is

- A : Maximum
- B : Minimum
- C : Zero
- D : In the stage when chlorination of water should be stopped

Question : 9 The total solids in water are due to presence of:

- A : Colloidal and settleable solids
- B : Suspended and floating solids
- C : Suspended and dissolved solids
- D : Colloidal and bacteria load

Question : 10 The alum added as coagulant in water treatment functions better when the raw the raw water is

- A : Acidic with high turbidity
- B : Alkaline with high turbidity
- C : Neutral with low turbidity
- D : Acidic with low turbidity

Question : 11 which of the following process includes chlorination pf water above the break point

- A : Plain chlorination
- B : Dechlorination
- C : Excess chlorination
- D : Super chlorination

Question : 12 what is the surface area (m^2) of settling tank used for design discharge of $1.5 m^3/s$? (Assume depth overflow rate for tank as $40 m^3/m^2/day$)

- A : 2045.32
- B : 3240.44
- C : 4525.33
- D : 5076.13

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Question : 13 **Pick up the incorrect statement**

A : Sluice valves are provided to allow flow of water only in one direction, preventing backflow

B : Air valves are provided at summits along a pipeline to admit/release air

C : Scour valves are provided at low points to empty a pipeline

D : Gate valves are provided to regulate flow of water through the pipelines

Question : 14 **The value which protect the water meter from the damages of water hammer**

A : Pressure relief value

B : Stop cock

C : Reflux value

D : Water hammer value

Question : 15 **Imhoff cone used to determine:**

A : Dissolved solids

B : Suspended solids

C : Total solids

D : Settleable solids

Question : 16 **The standard 5-day BOD at 20°C, when compared to the ultimate BOD is**

A : 0.6

B : 0.68

C : 0.8

D : 0.9

Question : 17 **Pollution potential of domestic sewage can be compared with reference to**

A : Their BOD value

B : Population equivalent

C : Their value

D : The relative density

Question : 18 **Under natural condition of flow, an unpolluted river would contain**

A : More dissolved

oxygen in summer than in winter

B : Less dissolved oxygen in summer than in winter

C : More or less same amount of dissolved oxygen in summer and in winter

D : The least amount of dissolved oxygen during the floods

Question : 19 **Traps are used in household drainage system to**

A : Prevent entry of foul gases in the house

B : Restrict the flow of water

C : Provide a partial vacuum

D : Trap the solid waste

Question : 20 **A pipe which is installed in the house drainage to reserve the water seal of traps is called**

A : Vent pipe

B : Anti siphonage pipe

C : Waste pipe

D : Soil pipe

Question : 21 **A trap which admits waste water from floors of bath and kitchen is called**

A : Intercepting trap

B : Nahani trap

C : Gulley trap

D : S. Trap

Question : 22 **The minimum diameter of an opening of a manhole should be**

A : 25 cm

B : 50 cm

C : 75 cm

D : 100 cm

Question : 23 **The pipe which is used to carry the discharge from sanitary fitting like bathrooms, Kitchen etc. is called.**

A : Waste pipe

B : Soil pipe

C : Vent pipe

D : None of the above

Question : 24 **Anti-Siphonage pipe is connected to**

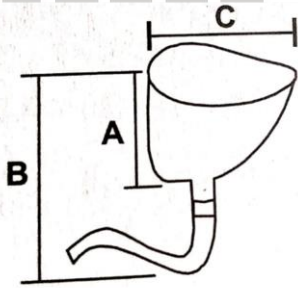
A : Main soil pipe

B : Bottom of p trap W.C

C : Top of p trap W.C

D : Side of water close

Question : 25 The value of "C" of Indian type W.C. shows in the figure given below is



- A : 400 mm
- B : 450 mm
- C : 500 mm
- D : 550 cm

Question : 26 Which of the following is responsible for the corrosion of concrete sewage?

- A : Chlorine
- B : Oxygen
- C : Nitrogen
- D : Septic conditions

Question : 27 The minimum width of a septic tank is taken

- A : 70 cm
- B : 75 cm
- C : 80 cm
- D : 90 cm

Question : 28 The detention period in a septic tank is assumed to be

- A : 20 minutes
- B : 25 minutes
- C : 30 minutes
- D : 40 minutes

Question : 29 which of the following represents the approximate overflow rate (litres/hour/m²) for the plain sedimentation tank

- A : 500 to 750
- B : 800 to 1200
- C : 1200 to 1550
- D : 1650 to 2500

Question : 30 The most efficient method to conserve energy in the from of oil and gases is

- A : Combusting
- B : Fluidized-bed incineration
- C : Incineration with heat recovery
- D : Pyrolysis

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Question : 1 Answer : 1

Question : 2 Answer : 1

Question : 3 Answer : 1

Question : 4 Answer : 1

Question : 5 Answer : 1

Question : 6 Answer : 4

Question : 7 Answer : 2

Question : 8 Answer : 4

Question : 9 Answer : 3

Question : 10 Answer : 2

Question : 11 Answer : 4

Question : 12 Answer : 2

Question : 13 Answer : 1

Question : 14 Answer : 4

Question : 15 Answer : 4

Question : 16 Answer : 2

Question : 17 Answer : 2

Question : 18 Answer : 2

Question : 19 Answer : 1

Question : 20 Answer : 2

Question : 21 Answer : 2

Question : 22 Answer : 2

Question : 23 Answer : 1

Question : 24 Answer : 3

Question : 25 Answer : 3

Question : 26 Answer : 4

Question : 27 Answer : 2

Question : 28 Answer : *

Question : 29 Answer : 2

Question : 30 Answer : 4

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