Madan Mohan Malaviya University of Technology
SUB- Evn. 1   SUB CODE-BCE26   SEM-5
SESSION:2021-2022   EXAM- Quiz 1
NAME-Aniket Niranjan ROLL NO.2019011033

- ❖ Attempt all questions.
- ❖ fill correct option under option column and avoid overwriting, no marks for overwriting.

Q.No.	Question	Option
1	As per norms 45 lpcd is provided in case of a) Hotel b) Hostel c) Hospital d) Office	d
2	Kuchling Formula for fire demand a) Q=3182 P b) Q=5336√P c) Q=3182√P d) Q=4637√P(1-0.01√P)	c
3	Population forecasting for determining future water demand is best judged by a) Arithmetic Increase b) Geometrical Increase c) Graphical method d) Incremental Increase method	d
4	As per GOI manual recommended max. water demand for town with pipe water supply without sewerage system a) 70 lpcd b) 135 lpcd c) 150 lpcd d) 200 lpcd	a
5	Indian standard code for water Demand a) IS 1171-1963 b) IS 1172-1963 c) IS 1173-1962 d) IS 1172-1962	b
6	As per IS code design Domestic water demand for a town with full flushing system a) 135 lpcd b) 200 lpcd c) 150 lpcd d) 270 lpcd	b
7	Coincident draft is a) Max. hourly demand b) Max daily demand c) Max daily demand + fire demand d) Greater of (a) and (c)	c
8	Design period for clear water conveying mains is a) 15 years b) 20 years c) 25 years d) 30 years	d

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9	City with population 36000 and water supplied is 240 lpcd. The peak hourly demand in m^3/s is
	   a) 0.027
	   b) 0.27
	   c) 270
	   d) 0.0027
		b

10	For Least effect on water table only one tubewell should be dug in every
	   a) 0.5 km
	   b) 1.0 km
	   c) 1.5 km
	   d) 2.0 km
		c

❖ Attempt all questions.
❖ fill correct option under option column and avoid overwriting, no marks for overwriting.

Q.No.	Question	Option

1	Well from which water flows automatically under pressure
	   a) infiltration well
	   b) artesian well
	   c) flowing well
	   d) tube well
		b

2	The valve which allows the flow only in one direction
	   a) scour well
	   b) sluice valve
	   c) reflux valve
	   d) gate valve
		c

3	The type of joint generally used in cast iron pipes
	   e) Flanged joint
	   f) Bell and Socket joint
	   g) Dresser coupling joint
	   h) all th eabove
		h

4	The suitable layout of distribution for irregularly growing town
	   a) dead end system
	   b) grid iron
	   c) ring
	   d) radial
		a

5	Find the correct match
	   e) Check valve- to check water flow in all direction
	   f) Sluice valve- to control flow of water through pipeline
	   g) Air valve- to release the accumulated air
	   h) Scour valve- to remove silt in pipe line
		f,g,h

6	A goose neck is
	   e) A bent flexible pipe provided between ferrule and stop cock
	   f) A T shaped brass length between water meter and ferrule
	   g) A straight GI pipe, service pipe and stop cock
		e

	h) A bent rigid pipe between service pipe and water meter	
7	For one storey building in town the minimum residual pressure at ferrule point for supply should be e) 3 m f) 5 m g) 7 m h) 10 m	g
8	A GI pipe has a coating of e) Lead f) Silver g) Zinc h) Aluminium	g
9	What is the use of sonoscope e) Checking the accuracy of water meter f) Regulating the fire hydrant g) As a replacement of venturimeter for discharge measurement h) Detection of leakage in underground water main	h
10	Which one of the pipe fitting has the least friction resistance in equivalent pipe length in terms of diameter of pipe a) Sharp elbow b) T connection c) Reflux valve d) Sluice elbow	d