

QUIZ NO: 835

TOPIC: ENVIRONMENTAL ENGINEERING

DATE: 11/06/2024

1. For water supply to a medium town, what is the daily variation factor?

- [A] 1.5
- [B] 2.5
- [C] 3
- [D] 3.5

Answer: B

2. In a water treatment plant, dissolved iron and manganese can be removed from the water by

- [A] Aeration
- [B] Aeration and coagulation
- [C] Aeration and flocculation
- [D] Aeration and sedimentation

Answer: D

3. The ultimate BOD value of a waste

- [A] Increases with temperature
- [B] Decreases with temperature
- [C] Remains the same at all temperatures
- [D] Doubles with every 10^0 C rise in temperature

Answer: C

4. In the oxidation ditch, the excess sludge is taken to:

- [A] Anaerobic digester
- [B] Aerobic digester
- [C] Drying beds
- [D] Incinerator

Answer: C

5. For drinking water the amount of free ammonia should not exceed:

- [A] 0.15 mm
- [B] 0.30 ppm
- [C] 0.45 ppm
- [D] 0.60 ppm

Answer: A

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6. Pick up the correct statement from the following ?

- [A] Detention period for plain sedimentation tanks ranges between 4 to 8 hours
- [B] Detention period for sedimentation tanks, using coagulants usually ranges between 2 to 4 hours
- [C] The horizontally flow velocity in sedimentation tanks, is generally limited to 0.3 m/minute
- [D] All the above.

Answer: D

7. _____ sewer collects sewage from collecting system to a disposal plant:

- [A] House sewer
- [B] Outfall sewer
- [C] Lateral sewer
- [D] Separate sewer

Answer: B

8. What is the desirable value of mean velocity gradient in a flocculator?

- [A] 20 to 50 sec^{-1}
- [B] 20 to 75 sec^{-1}
- [C] 50 to 100 sec^{-1}
- [D] 30 to 50 sec^{-1}

Answer: B

9. The permissible limit of free residual chlorine is _____:

- [A] 0.02ppm
- [B] 0.2 ppm
- [C] 1 ppm
- [D] 2 ppm

Answer: B

10. Water from infiltration wells is collected by pipes and led to sump from where it is pumped, this sump is called:

- [A] Underground sump
- [B] Jack well
- [C] Artesian well
- [D] Infiltration well

Answer: B

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