

QUIZ NO: 401

TOPIC: WATER SUPPLY ENGINEERING

DATE: 09.02.2021

1. What is the rapid sand filter surface area required for filtering of 5 MLD water assuming a filtration rate of $50000\text{l/m}^2/\text{day}$?

- [1] 250 m^2
- [2] 150 m^2
- [3] 100 m^2
- [4] 200 m^2

Answer: C

2. The odour of water was tested at 25°C , commercial osmoscope gave the TON value as 4. What is the inference from the obtained value of odour intensity?

- [1] Very faint odour
- [2] Faint odour
- [3] Distinct odour
- [4] Strong odour

Answer: D

3. At lower pH, the contact period required for chlorination is?

- [1] same
- [2] higher
- [3] lower
- [4] none of these

Answer: C

4. The purpose of re-carbonation after water softening by the lime soda process is the?

- [1] Remove excess soda from water
- [2] Removal of Non-carbonate hardness in water
- [3] Recovery of lime from water
- [4] Conversion of precipitate into soluble forms in the water

Answer: D

5. How can we remove iron and manganese from water, in a water treatment plant?

- [1] aeration
- [2] aeration and coagulation
- [3] aeration and flocculation
- [4] aeration and sedimentation

Answer: D

6. Which one of the following chemicals is used for dichlorination purpose?

- [1] Sodium sulphite
- [2] Sodium bicarbonate
- [3] Calcium carbonate
- [4] Hydrogen peroxide

Answer: A

7. Which among the following water distribution system offers high pressure supply at the farthest areas from the point of supply?

- [1] Dead end system
- [2] Grid iron system
- [3] Radial system
- [4] Ring system

Answer: D

8. The concentration of OH⁻ ion in a water sample is measured as 17mg/L at 25°C. What is the pH of the water sample?

- [1] 10
- [2] 11
- [3] 12
- [4] 13

Answer: B

9. Which of the following chemical is used for disinfecting swimming pool?

- [1] Bleaching powder
- [2] Iodine
- [3] Potassium permanganate
- [4] Chloramines

Answer: D

10. What is the rate of domestic demand with full flushing system?

- [1] 200 lpcd
- [2] 10 lpcd
- [3] 135 lpcd
- [4] 55 lpcd

Answer: A

Join our social media platforms

