

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]  $250\text{ m}^2$
- [2]  $150\text{ m}^2$
- [3]  $100\text{ m}^2$
- [4]  $200\text{ m}^2$

**Answer: C**

2. The odour of water was tested at  $25^\circ\text{C}$ , 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  $\text{OH}^-$  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

