

**QUIZ NO: 338**

**TOPIC: WATER SUPPLY ENGINEERING**

**DATE: 10/09/2020**

1. The most common constituents of alkalinity in natural water are measured by titrating the water sample with 0.02 N H<sub>2</sub>SO<sub>4</sub> using?

- [1] Erichrome black T
- [2] Ferroin and Phenolphthalein indicators
- [3] Phenolphthalein and Methyl orange indicators
- [4] Methyl orange and Erichrome black T

**Answer: C**

2. Which one of the following treatments is economically effective in the control of guinea worm disease?

- [1] Chlorination
- [2] Filtration
- [3] Ozonation
- [4] Sedimentation

**Answer: B**

3. Zero hardness of water is achieved by?

- [1] Lime- soda process
- [2] Ion exchange treatment
- [3] Excess lime treatment
- [4] Excess alum dosage

**Answer: B**

4. What is the equivalent calcium carbonate concentration of 220mg/L of  $\text{CaCl}_2$ ?

- [1] 100 mg/L
- [2] 250 mg/L
- [3] 200 mg/L
- [4] 150 mg/L

**Answer: C**

5. The concentration of hardness producing cations may be estimated using which one the following technique?

- [1] Conductivity meter
- [2] pH meter
- [3] Spectrophotometer
- [4] Flame photometer

**Answer: C**

6. The safe permissible limit of sulphates in domestic water supply?

- [1] 100 mg/L
- [2] 200mg/L
- [3] 400 mg/L
- [4] 600 mg/L

**Answer: B**

7. If the given water sample has a turbidity above 50 ppm, the method used for determining turbidity is?

Turbidity tube

- [1] Baylis turbid meters
- [2] Hellipe turbid meters
- [3] Jacksons turbid meter
- [4] Turbidity tube

**Answer: C**

8. Which one of the following filters will produce water of higher bacteriological quality?

- [1] Pressure filter
- [2] Slow sand filter
- [3] Rapid sand filter
- [4] Dual media filter

**Answer: B**

9. After which of the following treatment units, the turbidity is maximum?

- [1] Primary sedimentation
- [2] Chlorination
- [3] Secondary sedimentation
- [4] Flocculation basin

**Answer: D**

10. Which one of the following types of settling phenomenon can be analyzed by the classic sedimentation laws of Newton and Stokes?

- [1] Compression settling
- [2] Flocculent settling
- [3] Discrete settling
- [4] Hindered settling

**Answer: C**

Join our social media platforms

