

**QUIZ NO: 354**

**TOPIC: WATER SUPPLY ENGG**

**DATE: 22/10/2020**

1. Which one of the options are correctly matched?

- [1] Fluorides – Activated alumina
- [2] Manganese – Activated carbon
- [3] Taste and odour – Manganese zeolite
- [4] Bacteria – Alum

**Answer : A**

2. 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**

3. 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**

4. The yield of a surface stream and yield of a underground source can be obtained by?

- [1] constant level pumping and recuperating test respectively
- [2] stream gauging and recuperating test respectively
- [3] area velocity method and chemical method respectively
- [4] recuperating test and area velocity method respectively

**Answer : B**

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

- [1] Baylis turbidimeters
- [2] Hellipe turbidimeters
- [3] Jacksons turbidimeter
- [4] Turbidity tube

**Answer : C**

6. On peak hourly demand, what is the maximum daily consumption for the city which have average daily consumption of 60,000m<sup>3</sup>?

- [1] 2,63,000
- [2] 1,62,000
- [3] 50,000
- [4] 2,48,000

**Answer : B**

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

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

**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. The purpose of re-carbonation after water softening by the limesoda 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**

10. Plain chlorination is adopted when the turbidity is less than?

- [1] Greater than 50 ppm
- [2] Less than 20 ppm
- [3] Greater than 30 ppm
- [4] At low turbid cases

**Answer : B**

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