

QUIZ NO: 393

TOPIC: FLUID MECHANICS

DATE: 21/01/2021

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

- [1] Removal of excess soda from water
- [2] Removal of non carbonate hardness
- [3] Recovery of lime
- [4] Conversion of precipitates to soluble form

Answer : D

2. Which of the following methods are employed for determination of free and combined chlorine residuals in water?

- [1] Starch – iodide method and DPD method
- [2] Amperometric titration method
- [3] SNORT method
- [4] Winklers method

Answer : A

3. 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

4. What is the equivalent calcium carbonate concentration of 220mg/L of CaCl_2 ?

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

Answer : C

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

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

Answer : C

7. 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

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

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

Answer : D

9. Which among the following are not pipe fittings?

- [1] claws and caps
- [2] flanges and nipples
- [3] elbows and bends
- [4] tees and union

Answer : A

10. What is the predominating coagulation mechanism for raw water having high turbidity and high alkalinity?

- [1] Ionic layer compression
- [2] Adsorption and charge neutralization
- [3] Sweep coagulation
- [4] Inter particle bridging

Answer : C

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