

## QUIZ NO: 598

### TOPIC: ENVIRONMENTAL ENGINEERING

**DATE: 28/05/2022**

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

- [A] Starch – iodide method and DPD method
- [B] Amperometric titration method
- [C] SNORT method
- [D] Winklers method

**Answer: A**

**2. Zero hardness of water is achieved by**

- [A] Lime- soda process
- [B] Ion exchange treatment
- [C] Excess lime treatment
- [D] Excess alum dosage

**Answer: B**

**3. For proper slow mixing in the flocculator of a water treatment plant, the temporal mean velocity gradient  $G$  is in the order of?**

- [A] 5 to 10  $s^{-1}$
- [B] 20 to 80  $s^{-1}$
- [C] 100 to 200  $s^{-1}$
- [D] 250 to 350  $s^{-1}$

**Answer: B**

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

- [A] 100 mg/L
- [B] 200mg/L
- [C] 400 mg/L
- [D] 600 mg/L

**Answer: B**

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

- [A] Same
- [B] Higher
- [C] Lower
- [D] None of these

**Answer: C**

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

- [A] Pressure filter
- [B] Slow sand filter
- [C] Rapid sand filter
- [D] Dual media filter

**Answer: B**

**7. Manhole on sewer lines are provided for \_\_\_\_\_?**

- [A] Periodic cleaning
- [B] Providing air for oxidation
- [C] Removal of part of sewerage
- [D] All of these

**Answer: D**

**8. Which one of the following solid waste disposal methods is ecologically most acceptable?**

- [A] Composting
- [B] Sanitary landfill
- [C] Incineration
- [D] Pyrolysis

**Answer: A**

9. Which one of the following processes of water softening requires recarbonation?

- [A] Lime-soda ash process
- [B] Hydrogen-cation exchanger process
- [C] Sodium-cation exchanger process
- [D] Demineralization

**Answer: A**

10. For discharging sewage and industrial effluents into stream, 5 day BOD at 20°C should not exceed?

- [A] 30 mg/L
- [B] 50 mg/L
- [C] 100 mg/L
- [D] 200 mg/L

**Answer: A**

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