

QUIZ NO: 308

TOPIC: ENVIRONMENTAL ENGINEERING

DATE: 30/06/2020

1. Match the parameters with permissible concentration in drinking water and select the correct answer?

- [1] Hardness: 0.1mg/L
- [2] Nitrate concentration:15mg/L
- [3] Iron concentration: 0.01mg/L
- [4] Fluoride concentration:1.5 mg/L

Answer : Fluoride concentration:1.5 mg/L

2. If the level of source of water is higher than that of the place of consumption, the system adopted for supplying water is?

- [1] Pumping system
- [2] Gravitational system
- [3] Combined pumping and gravity system
- [4] Any of these

Answer : Gravitational system

3. If the methyl orange alkalinity of water equals or exceeds total hardness, all of the hardness is?
- [1] non- carbonate hardness
 - [2] carbonate hardness
 - [3] pseudo hardness
 - [4] negative carbonate hardness

Answer : carbonate hardness

4. 'Air binding' may occur in?
- [1] Sewers
 - [2] Artesian well
 - [3] Aerator
 - [4] Filter

Answer : Filter

5. Zero hardness of water is achieved by?

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

Answer : Ion exchange treatment

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

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

Answer : Jacksons turbidimeter

7. Pollution potential of domestic sewage generated in a town and its industrial sewage can be compared with reference to?

- [1] their BOD value
- [2] population equivalent

[3] their volume

[4] the relative density

Answer : population equivalent

8. What is the purpose of providing a surge tank in a pipeline carrying water?

[1] To store water

[2] To increase the pressure throughout the pipeline

[3] To store overflowing water

[4] To protect the pipeline against water hammer

Answer : To store overflowing water

9. Which one of the following tests employs Ethylene Diamine Tetra Acetic Acid as a titrating agent?

[1] Chlorides

[2] Hardness

[3] Dissolved oxygen

[4] Residual chlorine

Answer : Hardness

10. The purpose of a proportional weir at the effluent end of a channel type grit removal unit is to?

- [1] provide easy passage of solid particles
- [2] measure the rate of flow in the channel
- [3] keep the depth of flow in the channel above a certain value
- [4] maintain constant mean velocity in the channel

Answer : maintain constant mean velocity in the channel

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