

**QUIZ NO: 416**

**TOPIC : WATER SUPPLY ENGG**

**DATE: 16/03/2021**

1. 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 : B**

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. 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**

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

[1]Primary sedimentation

[2]Chlorination

[3]Secondary sedimentation

[4]Flocculation basin

**Answer : D**

5. Pick out the advantages of using cast iron pipe for city water supply?

- [1] Easy to make and corrosion- resistant
- [2] Strong in tension
- [3] Very light
- [4] Made in longer length in inaccessible areas

**Answer : A**

6. Which chemical is widely used in controlling algae?

- [1] Sodium sulphite
- [2] Sodium sulphate
- [3] Copper sulphate
- [4] Potassium sulphate

**Answer : C**

7. What is the most important design parameter used in designing a continuous flow rectangular sedimentation tank for removal of discrete particles?

- [1] Length of the tank
- [2] Surface overflow rate
- [3] Depth of the tank
- [4] Temperature of treated water

**Answer : B**

8. 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**

9. 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**

10. What is the test adopted to find the presence of Lead in water sample?

- [1] using sulphuric acid
- [2] using lime water
- [3] using potassium ferro - cyanide
- [4] using potassium permanganate

**Answer : A**

Join our social media platforms

