

# Quiz 4 Water Treatment

\*Required

1. Email address \*

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2. Email Address \*

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3. Name \*

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4. Roll No. \*

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5. Branch \*

*Mark only one oval.*

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6. Mobile No. \*

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7. 1. What is the optimum hardness of potable water

1 point

*Mark only one oval.*

- a. 150 ppm
- b. 125 ppm
- c. 100 ppm
- d. 50 ppm

8. 2. In complexometric titration what is the pH of water sample due to buffer solution

1 point

*Mark only one oval.*

- a. 2- 3
- b. 5-6
- c. 7-8
- d. 9-10

9. 3. The pH of potable water lies between

1 point

*Mark only one oval.*

- a. 4 - 5
- b. 6 - 7.5
- c. 7 -8.5
- d. 7.5 - 8.5

10. 4. Which gas is used for disinfection of potable water

1 point

*Mark only one oval.*

- a. Ozone
- b. Chlorine
- c. Both of the above
- d. None of the above

11. 5. The maximum concentration of total dissolved solid (TDS) in potable water must not be exceeded by

1 point

*Mark only one oval.*

- a. 300 ppm
- b. 400 ppm
- c. 500 ppm
- d. 600 ppm

12. 6. Excess impurities in the boiler feed water generally causes

1 point

*Mark only one oval.*

- a. Sludge
- b. Scale
- c. Caustic Embrittlement
- d. All of the above

13. 7. Scale formation takes place inside the boilers due to

1 point

*Mark only one oval.*

- i. Decomposition of calcium bi carbonate
- ii. hydrolysis of magnesium salt
- iii. Decomposition of calcium sulphate
- iv. presence of silica
- a. i & ii correct
- b. i, ii & iii are correct
- c. iii & iv are correct
- d. All are correct

14. 8. In boilers scale can be removed by washing with

1 point

*Mark only one oval.*

- a. 5-10% HCl
- B. 10-15 % HCl
- C. 5-10% H<sub>2</sub>SO<sub>4</sub>
- D. 10-15% H<sub>2</sub>SO<sub>4</sub>

15. 9. Caustic embrittlement prevented by adding which salt

1 point

*Mark only one oval.*

- a. Sodium sulphate
- B. Magnesium sulphate
- C. Calcium sulphate
- D. None of the above

16. 10. If hardness of water is 10 ppm then value in degree Clark's will be

1 point

*Mark only one oval.*

- a. 7.0 Clark's
- B. 0.7 Clarks
- C. 0.07 Clarks
- D. 0.007 Clarks

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