

Started on Saturday, 29 January 2022, 8:10 AM

State Finished

Completed on Saturday, 29 January 2022, 8:19 AM

Time taken 9 mins 12 secs

Marks 5/5

Grade 10 out of 10 (100%)

Question 1

Complete

Mark 1 out of 1

Alum is added at

Select one:

- ☐ rapid mixing step
- ☐ sedimentation step
- ☐ filtration step
- ☒ flocculation step

Question 2

Complete

Mark 1 out of 1

A treatment process gives 3-log removal of pathogens. Value of ratio of remaining pathogen to initial pathogen (i.e, N_t/N_0) would be

Select one:

- ☒ 0.001
- ☐ 0.999
- ☐ 0.01
- ☐ 0.99

Question 3

Complete

Mark 1 out of 1

A water has 0.05mg/L cyanide ions, 0.1mg/L arsenic ions, 1mg/L fluoride ions and 1000mg/L chloride ions. All other parameters are below the desirable range as per our drinking water standard. Will this water be good for potable purpose?

Select one:

- ☐ Yes
- ☒ No

Question 4

Complete

Mark 1 out of 1

A student calculated CBOD, NBOD, ThOD and COD values for a wastewater sample. Here CBOD is carbon-based BOD and NBOD is nitrogen-related BOD. Select the correct sequence:

Select one:

- ☒ ThOD > COD
- ☐ ThOD < COD

Question 5

Complete

Mark 1 out of 1

A water sample has 40MPN/100ml total coliforms, pH6.8, 6mg/L dissolved oxygen and 5-day BOD as 1.8mg/L . Other parameter values are negligible. Select the correct statement

Select one:

- ☐ Class of water is B as per CPCB
- ☒ Class of water is A as per CPCB
- ☐

Class of water cannot be determined as per given data.

- ☐ Class of water is C as per CPCB

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