

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. Removal of sand gravel and pebbles from wastewater is accomplished in []
A. Scrubber B. cyclone C. grit chamber D. crystallizer
2. In wet scrubbers used as particulate collection system the scrubbing liquid used is usually []
A. Methanol B. water C. brine D. ethanol
3. Primary treatment methods are ineffective in removing []
A. Organic matter B. oily matter C. colloidal matter D. metals
4. Pick out the one which is not a chemical coagulant. []
A. Aluminium sulphate B. Ferrous sulphate C. Hydrated lime D. Chloramine
5. The main pollutant in waste water discharged from a petroleum refinery is oil (both in free and emulsified form). Free oil is removed by []
A. Biological oxygen pond. B. Aerated lagoons.
C. Trickling filters. D. Gravity separator having oil skimming devices.
6. Presence of bacteria in potable (drinking) water causes []
A. Turbidity B. Disease C. Bad odour D. Bad taste & colour
7. The destruction of water-borne pathogens is termed as disinfection of water. Which of the following is a water disinfectant? []
A. Chlorine B. Alkalis C. Benzene hexachloride D. Alkyl benzene sulphonate (ABS)
8. Which is the most practical and economical method for removal of suspended solid matter from polluted water? []
A. Sedimentation B. Skimming off C. Chlorination D. Biological Oxidation
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10. In wet scrubbers used as particulate collection system the scrubbing liquid used is usually []
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Cont.....2

II Fill in the Blanks:

11. Flocculent settling takes place when _____ of particles decreases due to coalescence with other particles.
12. In electrostatic precipitator, the solid-gas separation by the influence of _____
13. _____ process is used to remove hardness, and iron and manganese salts from drinking water.
14. In the following, the safe method of disposing solid waste is _____
15. _____ wastes are those that are harmful when ingested or absorbed on the skin.
16. _____ are a major source of dust generation in cement plants.
17. Cyclone separators utilize _____ force to separate the particulate matter from the carrier gas.
18. Grit chambers are provided to protect pumps from _____
19. _____ is used to oxidize cyanide in industrial wastewaters to harmless Carbon and Nitrogen compounds.
20. Gravitational settling chambers are generally used to remove particles of _____ from gas stream.

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