Assignment 8

The due date for submitting this assignment has passed. See your instructor for any extensions to this assignment.

1. Clarified supernatant leaving the top of the sedimentation tank is called as
   a) Sludge
   b) Sediment
   c) Decant
   d) None of the above
   2 points
   Accepted Answers

2. Which of the following methods is used for digestion of sludge?
   a) Drying
   b) Incineration
   c) Anaerobic
   d) All of the above
   2 points
   Accepted Answers

3. Which type of settlement of particles occurs in Clarification tank?
   a) Type I
   b) Type II
   c) Type III
   d) Type IV
   2 points
   Accepted Answers

4. Which of the following substances are commonly used in a filter?
   a) Charcoal
   b) Wood charcoal
   c) Both (a) and (b)
   d) Aluminum oxide
   2 points
   Accepted Answers

5. Cloudy particles are those which change their size, shape and specific gravity of the sludge times
   a) True
   b) False
   2 points
   Accepted Answers

6. Which of the following tests is conducted to determine optimum sludge dose to treat wastewater?
   a) pH test
   b) BOD test
   c) COD test
   d) Multi-enzyme test
   2 points
   Accepted Answers

7. Which of the following filtrations rate has the highest biomass removal efficiency?
   a) Slow sand filter
   b) Rapid sand filter
   c) Pressure filter
   d) Multi-enzyme filter
   2 points
   Accepted Answers

8. Horsepower of the water pump required to handle 5000 cfs of water with a speed of 2080 RPh is
   a) 450 ft
   b) 650 ft
   c) 650 ft
   d) 350 ft
   2 points
   Accepted Answers

9. A heating system of waste supply is usually preferred over grid system, since it has a significant amount point from the point of view of two directions
   a) True
   b) False
   2 points
   Accepted Answers

10. The heating processes in a rapid sand filters occur due to
    a) Infiltration negative head
    b) Net infiltration
    c) Higher ability of the effluent
    d) Less temperature all of the above
    2 points
    Accepted Answers