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Environmental Engineering MCQ Test

Q1. What is the main disadvantage of cement concrete sewers?

- A. Less life
- B. Less strength
- C. Difficulty in construction
- **D. Difficulty in transportation due to heavy weight**

Q2. What is the suitable layout of the distribution system for a city with roads of the rectangular pattern?

- A. Ring system
- B. Radial system
- **C. Grid iron system**
- D. Dead end system

Q3. What is the suitable system of sanitation for the area of distributed rainfall throughout the year with less intensity?

- A. Separate system
- **B. Combined system**
- C. Partially separate system
- D. Partially combined system

Q4. Which of the following is the suitable method for the disinfection of swimming pool water?

- A. Lime treatment
- B. Chlorination
- **C. Ultra violet rays treatment**
- D. By using potassium permanganate

Q5. What is the rate of BOD exerted at any time?

- A. Inversely proportional to BOD satisfied
- B. Directly proportional to BOD satisfied
- **C. Directly proportional to BOD remaining**
- D. Inversely proportional to BOD remaining

Q6. Which of the following type of sewer is suitable for both combined and separate systems?

- A. Circular sewer
- **B. Egg shaped sewer**
- C. Semi-elliptical sewer
- D. Horseshoe type sewer

Q7. Which is the design period for the water treatment unit?

- A. 5 Years
- B. 10 Years
- **C. 15 Years**
- D. 20 Years

Q8. What does represent the bacterial density that is most likely to be present in water?

- **A. MPN**
- B. COD
- C. BOD
- D. None of the above

Q9. Which of the following bacteria cause the reddish-brown deposits in the tank?

- **A. Iron bacteria**
- B. Sulphur bacteria
- C. Bacterium coli bacteria
- D. Escherichia coli bacteria

Q10. Which of the following form of solute stabilization occurs when water passes

through limestone?

- **A. Liming**
- B. Chlorination
- C. Re-carbonation
- D. Super-chlorination

Q11. is the normal value of the detention period adopted in a flocculator for design purposes.

- A. 60 min
- **B. 30 min**
- C. 90 min
- D. None of the above

Q12. The rate of filtration is low in

- A. Gravity filter
- B. Pressure filter
- **C. Slow sand filter**
- D. Rapid sand filter

Q13. Which of the following water treatment process is done after the filtration of water?

- **A. Disinfection**
- B. Flocculation
- C. Primary sedimentation
- D. Secondary sedimentation

Q14. Bleaching powder contains 33.3% of available chlorine.

- **A. True**
- B. False

Q15. Is Iodine a better disinfectant to kill viruses than hypiodous acid?

- A. Yes
- **B. No**

Q16. Which of the following is a raw material sent to and processed in a waste recycling plant?

- A. Nodules
- B. Recyclant
- **C. Recyclate**
- D. Particulars

Q17. The size of the trench may be in the method of trenching.

- A. 15 x 5 x 3m
- **B. 12 x 3 x 2m**
- C. 12 x 5 x 2m
- D. 15 x 5 x 5m

Q18. Which of the following is the simplest equipment used for the collection of solid particulates?

- A. Filters
- B. Cyclones
- **C. Settling chamber**
- D. Inertial separators

Q19. are the main constituents of the environmental cycles.

- A. Nutrient cycle
- B. Water cycle and air cycle
- C. Water cycle and food cycle
- **D. Water cycle and nutrient cycle**

Q20. Which air pollution control device has maximum efficiency?

- A. Spray tower
- B. Dynamic precipitator

- **C. Electrostatic precipitator**
- **D. Wet cyclonic scrubber**

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