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Water Supply Engineering MCQ Test

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Q1. What is the most commonly used pump for lifting water in water supply mains?

- A. Rotary type pump
- **B. Axial flow pump**
- C. Centrifugal pumps
- D. None of the above

Q2. What does water supply system include?

- A. Construction of dams
- B. Digging a well for water
- C. Construction of dams
- **D. Entire arrangement from source to distribution.**

Q3. Percussion drilling is unsuitable in

- A. Quick sand
- B. Unconsolidated sand
- **C. Consolidated rocks**
- D. Unconsolidated gravel

Q4. Disinfection of water with ozone is not good because

- A. It adds taste to the water

- B. It vanishes before water reaches the consumers
- C. It vanishes before water reaches the consumers
- **D. it is more efficient than chlorine in killing bacterias**

Q5. The efficiency of sedimentation tank does not depend upon

- A. Length of tank
- **B. Depth of tank**
- C. Detention period
- D. Velocity of water

Q6. What is the main process to purify water by filtration?

- A. Electronic change
- B. Mechanical straining
- C. Biological metabolism
- **D. All of the Above**

Q7. What is the period of cleaning of a slow sand filter?

- A. One Year
- B. Two weeks to three weeks
- **C. One month to three months**
- D. Three months to six months

Q8. The maximum hourly consumption, is generally taken as

- A. 120%
- B. 130%
- C. 140%
- **D. 150%.**

Q9. What does the city supply include?

- A. Domestic water demand
- B. Demand for public uses and fire
- C. Industrial and commercial water demands
- **D. All of the above**

Q10. Rapid gravity filter can only remove turbidity of water up to 50 gm/liter.

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

Q11. the bacteria which require oxygen for their survival is known as

- **A. Aerobic bacterias**
- B. Faculative bacteria
- C. Anaerobic bacterias
- D. None of the above

Q12. What is the most commonly used chemical for the dechlorination of water?

- A. sulphur-dioxide
- **B. Sodium sulphite**
- C. Sodium bisulphate
- D. Sodium thiosulphate

Q13. The cast iron pipes for water supply system are used for ow maintenance cost.

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

Q14. What is the maximum permissible hardness for public supplies?

- A. 105 mg/liter
- **B. 115 mg/liter**
- C. 125 mg/liter
- D. None of the above

Q15. What is the most important method for calculating discharge for planning a water supply project?

- A. Use of venturi-meter
- **B. Velocity area method**
- C. Weir or spillway method

- **D. Using power plant consumption**

Q16. Air binding is caused due to excessive in a rapid sand filter.

- A. Pressure
- B. Turbidity
- C. Water pressure
- **D. Negative pressure**

Q17. What is the economic diameter of the pipe, If the discharge of a pump is 0.16 cumecs?

- A. 4.88 m
- B. 48.8 cm
- **C. 0.488 m**
- D. None of the above

Q18. Which of the following joint is used for joining the plain ends of cast iron pipes?

- A. Flexible joint
- B. Flanged joint
- **C. Dresser coupling joint**
- D. Socket and spigot joint

Q19. The most important source of water for public water supply is from Rivers.

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

Q20. How much is the diameter of pipes in bathrooms and lavatories in the domestic water supply?

- A. 18 mm
- **B. 12 mm**
- C. 16 mm
- D. 14 mm