| 1. Your license renews |
|---|
| a) before January 1 |
| b) after July 30 in even numbered years |
| c) after October 1 in odd numbered years |
| d) before June 30 in even numbered years |
| • |
| 2. Your water treatment plant uses 39.6 lbs. of cationic polymer to |
| treat a flow of 2.71 MGD. What is the polymer dosage? |
| a) 0.07 ppm |
| b) 1.75 ppm |
| c) 14.61 ppm |
| d) 3.23 ppm |
| 3. A physical link between a potable water supply and one of |
| unknown or questionable quality is |
| a) a cross connection |
| b) a Tier 1 violation |
| c) a Boil Water Advisory |
| d) a backflow prevention assembly |
| 4 |
| 4. The purpose of stabilization is |
| a) to prevent floc from rising in the basin |
| b) to prevent sludge from entering the filters |
| c) to prevent corrosion or excessive scale from entering |
| the distribution system |
| d) to prevent excessive turbidity at the top of the filters |
| 5. BARF is an acronym for |
| a) Boil Advisory Reference Form |
| b) Bacteriological Analysis Report Forms |
| c) Biological Activity Reactive Format |
| d) vomit |
| 6. Core sampling is a viable way to check the condition of your |
| a) raw water |
| b) coagulation process |
| c) finished water |
| d) filters |
| , ··· |

| a) air gap b) double check c) atmospheric vacuum breaker d) barometric loop 8. A Class II water treatment operator needs hours of continuing education to renew her/his license. a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
|---|
| c) atmospheric vacuum breaker d) barometric loop 8. A Class II water treatment operator needs hours of continuing education to renew her/his license. a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| d) barometric loop 8. A Class II water treatment operator needs hours of continuing education to renew her/his license. a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| 8. A Class II water treatment operator needs hours of continuing education to renew her/his license. a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| continuing education to renew her/his license. a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| a) 6 b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| b) 12 c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| c) 18 d) 24 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| 9 are used to cause particles to become destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| pecome destabilized and begin to clump together. a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| a) coagulant aids b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| b) nonsettable solids c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| c) zeta particles d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| d) primary coagulants 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| 10. The hydrologic cycle relates to a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| a) the treatment processes b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| b) an old Harley c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| c) movement of water in the environment d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| d) the moons pull on tidewaters 11. Surface waters are more difficult to clean up or remediate than |
| 11. Surface waters are more difficult to clean up or remediate than |
| · · · · · · · · · · · · · · · · · · · |
| • |
| groundwater. |
| a) true |
| b) false |
| 12. Figure the weir overflow rate if your flow is 3.1 cuft/sec and the |
| diameter of the weir is 28 ft |
| a) 1391.28 gpm/ft of weir |
| b) 15.8 gpm/ft of weir |
| c) .035 gpm/ft of weir |
| d) 296 gpm/ft of weir |

| outbreaks than a a) imprope b) main bre | r treatment eaks r or inadequate flushing |
|--|---|
| 4 MGD you treat 2,9 ppm. When o | ent facility uses 97 lbs of chlorine a day to disinfect the . Those 97 lbs results in a chlorine concentration of shecking the furthest area of your system you discover is .6 ppm chlorine. What is your demand? |
| | 8 minutes utes utes |
| backsiphonage i a) double c b) vacuum c) a hose b | s approved to protect against backflow and in high hazard applications. heck valve assembly pressure breaker ib pressure zone assembly |
| to be corrosive is a) Van der b b) Zeta pot c) Langelie | Waals formula |

| 18. The filters in the treatment plant are 40 feet by 20 feet by 7 feet deep. The flow is 1500 gpm. What is the filtration rate? a) .26 gpm/sq ft b) 1.9 gpm/sq ft c) 2.6 gpm/sq ft d) 3.7 gpm/sq ft | • |
|---|-----|
| 19. In water treatment, a Class I system is determined to be different than a Class III system by a) population served b) number of service connections c) amount of water treated a day d) amount of water in storage facilities | ent |
| 20. A sanitary survey is used to determine a) source water characteristics and effectiveness of treatment b) the hygienic and operational aspects of the plant c) compliance with the SDWA and other EPA mandates d) whether the CCR is complete and accurate | |
| 21. In solid contact units, the three main operational fundamentals a) sedimentation, slurry, & suspended solids | are |
| b) mixing, clarifying, & filtration c) chemical dosage, recirculation rate, & sludge control d) weighing agents, alkalinity & pac | |
| 22. Particle counters can be used in place of in the treatment process to obtain better control. a) flash mixers b) variable drives c) filter coring d) turbidimeters | |
| 23. In their soluble or reduced state, iron and manganese are a) alkalinity enhancers b) colorless c) negatively charged d) won't dissolve in water | |

| 24 | corrosion is the corrosivity of dissimilar metals. |
|-----|--|
| | a) saline |
| | b) hydroxyl |
| | c) excessive |
| | d) galvanic |
| 25 | The two types of backflow are |
| | a) backsiphonage and backpressure |
| | b) backpressure and cavitation |
| | c) air gap and rpz |
| | d) dynamic and backsiphonage |
| 26 | 25 MGD is equivalent to |
| | a) 1122 gpm and 1560 cu/ft of water |
| | b) 36000 gpm and 187 cuft/sec |
| | c) 17362 gpm and 38.75 cuft/sec |
| | d) 15600 gpm and 466.7 cuft/sec |
| ро | When chlorine is used as a disinfectant in water there reaches a int when the amount of chlorine added is reflected identically with |
| tne | e amount of free residual measured on your DPD |
| | a) chloramination |
| | b) breakpoint |
| | c) ozone |
| | d) liftoff |
| 28 | pH, by definition is |
| | a) the ability of particles to stick together |
| | b) the ability to cause color to turn insoluble |
| | c) causes a water molecule to bring in a third hydrogen atom |
| | d) the hydrogen ion concentration in water |
| 29 | Which of these does <i>NOT</i> have a primary MCL? |
| | a) nitrate |
| | b) fluoride |
| | c) manganese |
| | d) copper |

| 30. During the coagulation/flocculation process, particulate impurities can be divided into two classifications. a) primary coagulants and coagulant aids b) settleable and nonsettleable solids c) hydraulic and mechanical d) paddlewheel and walking beam |
|--|
| 31. You have noticed cracks appearing in your coagulation basin. If the basin is 20 feet wide and 60 feet long and the water is 12 feet deep how many gallons will need to be pumped out of this basin so work can begin? a) 107712 gallons b) 9600 gallons c) 14400 gallons d) 211384 gallons |
| 32. MCLG is an acronym for a) Most Common Lucky Guess b) Minimum Colloidal Level Goals c) Maximum Chlorine Level Gallons d) Maximum Contaminant Level Goals |
| 33 polymers are positively charged. a) nonionic b) anionic c) cationic d) platonic |
| 34. Water if flowing through a completely filled 10 inch line at 4 cuft/sec. What is the velocity? a) .4 fps b) 7.3 fps c) 2.5 fps d) 4.0 cuft/sec |
| 35. Generally, the more uniform the media, the the rate of headloss. a) slower b) same c) smaller |

d) larger

| 36. The flow through a water plant is 5.25 MGD. Jar tests have indicated that the desired dosage of lime is 150 mg/l. What would the correct lime feeder setting per day and per minute? a) 3294.0 lbs a day/ 2.29 lbs a minute b) 6567.8 lbs a day/ 4.56 lbs a minute c) 4930.9 lbs a day/ 3.42 lbs a minute d) 6587.8 lbs a day/ 274.5 lbs a minute |
|--|
| 37. The maximum filtration rate allowable in Kentucky, without special permission, for dual and mixed media filters is a) 2 gal/min/sq ft b) 5 gal/min/sq ft c) there is no maximum d) 9 gal/min/sq ft |
| 38. Water is moving through a 22 inch pipe at a velocity of 3.5 fps. What is the flow? a) 6.77 cuft/sec b) .15 cuft/sec c) 4.6 fps d) 9.2 cuft/sec |
| 39. In conventional rectangular sedimentation basins, 50 % of the sludge should settle out in the of the basin. a) first third b) last half c) very beginning d) tail end |
| 40. The treatment facility treats 100,000 cuft of water a day and operates for 18 hours a day. How much water do they treat a day expressed in MGD? a) .75 MGD b) 1.80 MGD c) 2.92 MGD d) 5.75 MGD |
| 41. The Langeliers Saturation Index provides an indication of a) the solubility of iron and manganese b) the pH necessary to settle out color c) the rate at which particles will settle d) the likelihood that your source water is corrosive |

| 42. The most common operational complaint received by a water |
|--|
| operator is |
| a) water rates are too high |
| b) taste and odor |
| c) your uniforms aren't stylish enough |
| d) improper treatment techniques |
| 43. The Van der Waals principle refers to |
| a) oppositely charged particles attract |
| b) the settling rate of suspended solids |
| c) the benefits of early oxidation of raw water |
| d) the backwash rates of multi media filters |
| 44. Coupon testing is a viable indicator of |
| a) treatment optimization |
| b) the speed at which macrofloc is formed |
| c) the corrosive or scale forming tendencies of your water |
| d) the super saturation level of dissolved oxygen in your water |
| 45. The time necessary to perform the coagulation, flocculation, and |
| settling processes in treatment are correctly listed in what order, |
| starting with coagulation? |
| a) days, weeks, months |
| b) hours, minutes, seconds |
| c) weeks, months, years |
| d) seconds, minutes, hours |
| 46. Overdosing of potassium permanganate will likely cause |
| a) an extremely high pH |
| b) pink water |
| c) taste and odor |
| d) inadequate settling |
| 47. Which of the following is most likely to be used as a primary |
| coagulant? |
| a) brine |
| b) ammonious hydroxide |
| c) ferric sulfate |
| d) sodium thiosulfate |

| 48. Desirable media characteristics include |
|--|
| a) permeability |
| b) solubility in water |
| c) full of impurities |
| d) hard and durable |
| 49. The two types of removal mechanisms for gravity filters are |
| a) redundant and repetitive |
| b) mechanical and adsorption |
| c) coagulation and flocculation |
| d) regeneration and renewal |
| 50. The LT2ESWTR has decreed that we test our source water for the |
| presence of |
| a) algae |
| b) pharmaceuticals |
| c) cryptosporidium |
| d) nitrate |
| 51. Heterotrophic Plate Counts measure |
| a) all pathogens in the sample |
| b) all bacteria in the sample |
| c) all giardia lamblia in the sample |
| d) percent of sludge in the sample |
| 52. Combined filter effluent must be less than NTU in 95% of al |
| measurements (collected every four hours) for each month. |
| a) 1.0 NTU |
| b) 2.0 NTU |
| c) 3.0 NTU |
| d) 0.3 NTU |
| 53. Total Coliform samples have a hold time. |
| a) 12 hour |
| b) 24 hour |
| c) 30 hour |
| d) 36 hour |
| , |

| 54. Extremely soft water can cause problems with pipes and fittings |
|---|
| because it is |
| a) corrosive |
| b) scale forming |
| c) full of suspended solids |
| d) toxic |
| 55. Fluoride is added to water to |
| a) create a nuisance |
| b) aid in the development of teeth and bones |
| c) so there is something that has both a primary and secondary MCL |
| d) aid in the protective coating of pipes |
| 56. An atmospheric vacuum breaker backflow prevention device |
| protects against |
| a) backflow |
| b) backsiphonage and backpressure |
| c) neither |
| d) backsiphonage |
| 57. The best pH level for coagulation usually falls in the range of |
| a) 4-6 |
| b) 5-7 |
| c) 7-9 |
| d) 1-3 |
| 58. Which, surface water or groundwater, usually contain a higher |
| level of pathogens? |
| a) surface water |
| b) groundwater |
| c) both are equal |
| d) neither |
| 59. High nitrate levels in the water can cause |
| a) rickets |
| b) cholera |
| c) blue baby syndrome |
| d) dysentery |

| 60. 35 degrees Celsius is a) 0 | s equivalent to | degrees Fahrenheit. |
|--------------------------------|-------------------|-------------------------|
| b) 95 | | |
| c) 1.6 | | |
| d) 55 | | |
| 0.1 TI 6 | | |
| | ant chemicals and | d raw water is called |
| a) flocculation | | |
| b) aeration | | |
| c) reverse osmosis | ; | |
| d) flash mixing | | |
| 62. Sedimentation basin | s have | zones. |
| a) five | | |
| b) four | | |
| c) three | | |
| d) two | | |
| 63. The flow of a 48 inch | pipe is 8590 gpm | . What is the velocity? |
| a) 3.05 fps | | • |
| b) 4.77 fps | | |
| c) 1.52 fps | | |
| d) 2.33 fps | | |
| 64. Chlorine gas is | times | than air. |
| a) 2.5, lighter | | |
| b) 4.5, heavier | | |
| c) 3.5, lighter | | |
| d) 2.5, heavier | | |
| 65. An approved air gap | separation must | he |
| | • | whichever is greater |
| b) 2 ½ times the ins | | |
| c) .785 x D' x D' | | |
| d) a barometric loo | op | |
| | , P | |
| 66. Cathodic protection | | <u>.</u> |
| a) personal protect | • • | |
| b) thermal electric | protection | |
| c) corrosion | | |
| d) filtration | | |

| 67. The two main substances that cause water hardness are a) benzene and cadmium b) manganese and calcium c) calcium and copper d) magnesium and calcium |
|---|
| 68. If you get a positive coliform sample what must be done? a) retake the original sample b) retake the original sample plus one sample within five upstream service connections and one sample within five downstream service connections. c) retake the original sample, one from the water plant, and one from any service connection close to the original sample site. d) since no fecal coliform was detected, no more sampling needs to take place. |
| 69. When backwashing filters, bed expansion should be between |
| 70. The electronic flow meter reads 137,892, 900 gallons at 8:00 AM on Monday and 146, 007, 227 gallons at 8:00 AM on Tuesday. According to the scales 122 lbs of chlorine was fed during that 24 hr period. Free chlorine readings entering the clearwell read 0.8 mg/l. What was the approximate chlorine demand of the raw water that day a) 2.6 mg/l b) 1.0 mg/l c) 3.2 mg/l d) 4.1 mg/l |
| 71. If the chlorine demand in the Podunk Water District was 1.2 ppm and the chlorine residual was 0.4 ppm what would the chlorine dosage be? a) 0.8 ppm b) 1.6 ppm c) 2.0 ppm |

d) 2.5 ppm

| and satisfy a 2.8 ppm demand as well as a 0.6 ppm residual? a) 198.5 lbs. b) 251.9 lbs c) 288.7 lbs. d) 305.4 lbs. | |
|---|---|
| 73. A jumbled mass or collection of floc, solids, and filter media that could grow into a larger mass and reduce filter efficiency is a) turbidity mass b) tuberculation c) a mudball d) a media crack | • |
| 74. Calculate the weir overflow rate if the flow is 2.3 cuft/sec and the radius of the weir is 29 feet. a) 5.67 gpm/ft of weir b) 8.50 gpm/ft of weir c) 11.34 gpm/ft of weir d) 17.01 gpm/ft of weir | |
| 75. The two main softening methods used by treatment facilities are a) reverse osmosis and oxidation b) distillation and disinfection c) ultraviolet radiation and electrodialysis d) ion-exchange and lime-soda ash | |
| 76. The effective way to combat taste and odor problems is a) aeration and tube settlers b) settling out by particle counting c) prevent them from occurring d) coagulation and flocculation | • |
| 77. If a filter exceeds NTU at any time the system must arrange for the State to conduct a Comprehensive Performance Evaluation within thirty days. a) 2.0 NTU b) 3.0 NTU c) 5.0 NTU d) 10.0 NTU | |

| 78. Which disinfection method provides a residual safeguard? a) ozonation b) chlorination c) membrane filtration d) ultraviolet radiation | |
|---|----|
| 79. Turbidity is used as a process control measurement because | |
| a) everyone has a turbidimeter around b) the results are foolproof c) the number of pathogens increase as turbidity increases d) turbidity removal is an extremely easy task | |
| 80. Patula's water plant treated their daily output of 4.5 MGD with 19 lbs of gaseous chlorine. What is their dosage at Patula's plant? a) 2.5 ppm b) 3.0 ppm c) 4.5 ppm d) 4.0 ppm | 50 |
| 81. Solids contact units (clarifiers) generally demand a higher level operator knowledge and skill than conventional treatment technique and processes a) true b) false | |
| 82. Monkeys Eyebrow's treatment facility treats 9.5 MGD through the use of six (6) filters, each measuring 20 ft wide by 20 ft long. What is their filtration rate? a) 16.50 gpm/sqft b) 1.77 gpm/sqft c) 2.75 gpm/sqft d) 4.76 gpm/q/ft | |
| 83. Sources of taste and odor issues include a) raw water b) distribution systems c) consumer plumbing d) all of the above | |

| 84. Most water treatment facilities a) the mayor lends a hand b) it runs 24 hrs a day c) it runs 12 hrs on and 12 hr d) it runs 16 hours a day | |
|---|---|
| 85. Kentucky's filtration rate guid guidelines, with the national guide Kentucky's regs say in this regard a) 2-10 gpm/sqft b) 3-15 gpm/sqft c) 3-5 gpm/sqft d) Kentucky has no guideline | elines being 3-8 gpm/sq ft. What does d? |
| 86. All systems in Kentucky must residual everywhere in their systems in Sentucky must a) 0.2 b) 2.0 c) 4.0 d) there is no minimum | carry at least ppm chlorine em. |
| 87. Which is the most effective diswater? a) hydrogen lon b) calcium dioxide c) hypochlorous acid d) haloacetic acid | sinfectant when chlorine is added to |
| caused by hard water? a) scale formation in pipes b) toxic substances occurring | tures, sinks, cooking utensil, etc. |
| 89. Filtration actually a) destroys b) stores c) dissolves d) suspends | _ particulates. |

| 90. If a filter measures 20 feet by 30 feet by 7 foot deep and the flow is 3.5 cuft/sec, what is the backwash rate? a) 1.1 gpm/sqft b) 3.3 gpm/sqft c) 2.6 gpm/sqft d) 1.7 gpm/sqft |
|--|
| 91. Double check valve backflow prevention assemblies are approved for high hazard applications. a) true b) false |
| 92. Algae has a profound effect on our surface waters. During the day algae and at night it a) produces carbon dioxide, produces oxygen b) secrets sludge, produces toxins c) produces oxygen, produces carbon dioxide d) sleeps soundly, parties hardy |
| 93. Water is moving through a 10 inch pipe at a rate of 4.2 feet per second. What is the flow? a) 3.51 cuft/sec b) 7.72 cuft/sec c) 5.61 cuft/sec d) 2.28 cuft/sec |
| 94. Iron and manganese removal can be accomplished by a) oxidation with chlorine followed by filtration b) oxidation by aeration followed by filtration c) oxidation by potassium permanganate followed by filtration d) all of the above |
| 95. When chlorine reacts with organics in the water it has the tendency to produce a) chloramines b) trihalomethanes and haloacetic acids c) macrofloc d) apparent color |

| 96. Short circuiting refers to |
|---|
| a) pumps running backwards which stops treatment |
| b) a movie made in the 80's |
| c) inadequate voltage applied water treated by electrodialysis |
| d) uneven flows which result in decreased treatment efficiency |
| 97 is a concentrated accumulation of chemicals and |
| contaminants and pollutants that we attempt to remove from raw |
| water. |
| a) pathogens |
| b) sludge |
| c) coagulants |
| d) fluoride |
| 98. The minimum number of bacteriological samples that any system |
| can submit a month is |
| a) 2 |
| b) 5 % of residential services |
| c) 6 |
| d) 1 for every 10,000 people served |
| 99. In order to disinfect a sedimentation basin measuring 20 ft in width, 60 feet in length, and is 10 feet deep to obtain 50 ppm would require how many lbs. of 65% available HTH? a) 5.0 lbs b) 41.3 lbs |
| c) 37.4 lbs |
| d) 57.6 lbs |
| 100. The primary duty of a water treatment operator is to |
| a) protect the public health |
| b) perform assigned duties |
| c) obey the mayor or water board |
| d) get promoted as often as possible |
| d) get promoted as often as possible |

| 1. d | 35. a | 68. b |
|-------|-------|--------|
| 2. b | 36. b | 69. a |
| 3. a | 37. b | 70. b |
| 4. c | 38. d | 71. b |
| 5. b | 39. a | 72. d |
| 6. d | 40. a | 73. c |
| 7. a | 41. d | 74. a |
| 8. b | 42. b | 75. d |
| 9. d | 43. a | 76. c |
| 10. c | 44. c | 77. a |
| 11. b | 45. d | 78. b |
| 12. b | 46. b | 79. c |
| 13. d | 47. c | 80. d |
| 14. c | 48. d | 81. a |
| 15. a | 49. b | 82. c |
| 16. d | 50. c | 83. d |
| 17. c | 51. b | 84. b |
| 18. b | 52. d | 85. c |
| 19. c | 53. c | 86. a |
| 20. a | 54. a | 87. c |
| 21. c | 55. b | 88. b |
| 22. d | 56. d | 89. b |
| 23. b | 57. b | 90. c |
| 24. d | 58. a | 91. b |
| 25. a | 59. c | 92. c |
| 26. c | 60. b | 93. d |
| 27. b | 61. d | 94. d |
| 28. d | 62. b | 95. b |
| 29. c | 63. c | 96. d |
| 30. b | 64. d | 97. b |
| 31. a | 65. b | 98. a |
| 32. d | 66. c | 99. d |
| 33. c | 67. d | 100. a |
| 34. b | | |
| | | |