

Water Distribution Study Guide

Class I

(Made available by: Kansas Rural Water Association)

1. If you come upon a co-worker who is not breathing, you should immediately
 - a. apply cold compresses to the worker's forehead.
 - b. check for bleeding.
 - c. run for help.
 - d. start artificial respiration.
2. What is the pressure at the bottom of a standpipe filled to a height of 47 ft?
 - a. 10 psi
 - b. 15 psi
 - c. 20 psi
 - d. 25 psi
3. A connection from the municipal water supply directly to the packing gland of a centrifugal wastewater pump
 - a. is a hazard to the safety of the potable water supply.
 - b. is necessary to dilute the wastewater.
 - c. is undesirable because too much water is required.
 - d. reduces the power consumption of the motor driving the pump.
4. A waterborne disease that can be transferred to humans if proper disinfection is not provided is
 - a. gonorrhea.
 - b. malaria.
 - c. mumps.
 - d. typhoid.
5. Rising stem valves are most often used
 - a. before and after house meters.
 - b. in pumping stations.
 - c. on blowoffs.
 - d. on hydrants.
6. The device used in checking water flow to consumers is a
 - a. backflow device.
 - b. pressure sensing unit.
 - c. waterline valve.
 - d. water meter.
7. Which one of the following types of meters has no moving parts?
 - a. propeller
 - b. proportional
 - c. rotometer
 - d. Venturi

Water Distribution Grade 1 Study Guide

Ken Tesh



Water Distribution Grade 1 Study Guide:

Practice Exams Water Distribution Operator Certification Ken Tesh, 2018-08-20 Who is this book for This book is for anyone studying for the Grade 1 or Grade 2 Water Distribution Operator Certification Exam It s intended for newer operators who are pursuing the first two certification levels What s inside this book This book contains three full length practice tests that will help operators and students prepare for the Water Distribution Operator Certification Exams Each practice exam contains 100 questions which test your knowledge of water distribution concepts and your ability to solve relevant math problems There are a total of 300 questions in this book The book includes an answer key for all 3 exams It also contains step by step solutions for the math problems If you re preparing to take the operator certification test this book is a helpful study guide Topics Covered in Book Water Math Disinfection Corrosion Storage Facilities Water Mains Wells Pumps Valves Hydrants Fittings Water Meters Backflow Service Connections Drinking Water Regulations Hydraulics Safety Sampling Water Quality Water Sources Operations Maintenance Leak Detection Disinfection By products and System Maps and Layout

Water Distribution Practice Exams Joshua Armstrong, 2020-05-06 This book was designed to help people pass their water distribution operator certification exams This book contains 200 practice exam questions which translates as two full length practice exams which are made to replicate the actual exams as close as possible Along with multiple choice questions there are many math questions that you will definitely see on the real test Answer sheets and step by step solutions for the math questions are included in the back of the book This is a highly recommended book if you are planning on taking a certification exam soon Using practice tests such as the ones in this book are proven as an very effective study tool If you are serious and want to test your knowledge to see if you have what it takes to pass your test look no further **Handbook for**

Waterworks Operator Certification Frank R. Spellman, 2000-11-06 This three volume series is designed to prepare waterworks operators for certification and licensure exams Volume 1 is the only such volume based on the recently amended Safe Drinking Water Act and provides the tools to understand the microbiological and chemical hazards of water in light of the quality standards treatment plants must achieve With its clear explanations of basic math hydraulics electricity and plant processes it prepares the drinking water plant operator for further study of all aspects of drinking water operations including purification and distribution Abundant cases problems and a full scale battery of examination questions enable the reader to apply the book s lessons into practice both on the job and in the classroom Volume 2 is designed to give the experienced operator the means to advance to higher levels Its content has been selected and organized in accord with SDWA requirements for the continuing education of operators After reviewing basic math this volume presents information and calculations for critical areas of operator responsibility from intake disinfection and pumping through odor control and distribution Self check questions and a final examination enable the reader to monitor progress and prepare for certification and licensure testing Volume 3 is a forthcoming title for the year 2001 and is intended for advanced operators It represents

an in depth treatment of plant processes and operations and stresses troubleshooting and problem solving Questions and answers are included plus an entire sample test suitable for self study prior to licensure examinations Practice Exams

Ken Tesh,2017-06-29 Who is this book for This book is for anyone studying for the Grade 2 Water Distribution Operator Certification Exam It s intended for newer operators Grade 2 refers to the second certification level from the bottom What s inside this book This book contains three full length practice tests that are based on the Grade 2 Water Distribution Operator Certification Exam Each exam consists of 100 questions which test your knowledge of water distribution concepts and your ability to solve relevant math problems There are a total of 300 questions in this book Which topics are covered in this book Concepts 1 Water regulations 2 Water sources 3 Water mains 4 Tanks and reservoirs 5 Hydrants 6 Water meters 7 Valves 8 Water services 9 Cross connection 10 Wells 11 Pumps and motors 12 Disinfection 13 Operation and maintenance 14 Safety 15 Security and emergency preparedness 16 Mapping 17 Water quality 18 Hydraulics 19 Backflow devices 20 Sampling 21 Leak detection 22 Cathodic protection 23 Flushing Water math 1 Disinfection 2 Lbs of chlorine gas required 3 Lbs of calcium hypochlorite required 4 Lbs of sodium hypochlorite required 5 Gallons of sodium hypochlorite required 6 Chlorine demand 7 Mixing solutions 8 Air line in a well 9 Specific capacity of a well 10 Pumps energy cost 11 Pumping water to a tank 12 Water meters 13 Water pressure in a tank 14 Water level in a tank 15 Fill time for a tank 16 Fill time for a pipeline 17 Detention time 18 Flushing 19 Flowrate 20 Water velocity 21 Water usage from a tank Wastewater Operator Certification Study Guide John Giorgi,2011-01-12 *Water Distribution* ,2024 Water Distribution 1 Study Guide covers distribution system components equipment installation operation disinfection monitoring evaluation adjustment security safety administrative procedures math for distribution operators **Resources in Education** ,1998-05 *EPA-430/1* ,1979-05 **Trade and Industrial Education** ,1972 Trade and Industrial Education; Instructional Materials Ohio State University. Center for Vocational and Technical Education,1972

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