

A-Surface - 70 Questions on Test		Needs to Know		
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Administration	2	2.86%	7	WTPO Vol. 2, 7th Ed. Chap. 9
Bacteriology	3	4.29%	13	Rules Gov. Public Water Sys. (Green Book)
Coagulation/Flocculation	3	4.29%	14	WTPO Vol. 1, 7th Ed. Chap. 3
Corrosion Control	2	2.86%	10	WTPO Vol. 1, 7th Ed. Chap. 7
Cross Connection	1	1.43%	5	Rules Gov. Public Water Sys. (Green Book)
Disinfection Byproducts	1	1.43%	7	Rules Gov. Public Water Sys. (Green Book)
Disinfection	2	2.86%	19	WTPO Vol. 1, 7th Ed. Chap. 6
Process Waste	2	2.86%	4	WTPO Vol. 2, 7th Ed. Chap. 6
Distribution System	2	2.86%	6	Rules Gov. Public Water Sys. (Green Book)
Filtration	2	2.86%	13	WTPO Vol. 1, 7th Ed. Chap. 5
Fluoridation	3	4.29%	7	WTPO Vol. 2, 7th Ed. Chap. 4
Instrumentation	3	4.29%	9	WTPO Vol. 2, 7th Ed. Chap. 7
Iron/Manganese Control	3	4.29%	11	WTPO Vol. 2, 7th Ed. Chap. 3
Lab Procedures	3	4.29%	17	WTPO Vol. 1, 7th Ed. Chap. 5
Maintenance	3	4.29%	11	WTPO Vol. 2, 7th Ed. Chap. 8
Plant Operation	3	4.29%	7	SWSOM, 6th Ed. Chap. 3
Pumps	3	4.29%	6	WTPO Vol. 2, 7th Ed. Chap. 8
Reservoir Management	2	2.86%	11	WTPO Vol. 1, 7th Ed. Chap. 2
Rules – CB	1	1.43%	10	Rules Gov. Water Treatment Facility Operators
Rules – PWS	2	2.86%	25	Rules Gov. Public Water Sys. (Green Book)
Safety	3	4.29%	13	WTPO Vol. 2, 7th Ed. Chap. 1
Sedimentation	2	2.86%	9	WTPO Vol. 1, 7th Ed. Chap. 4
Taste/Odor Control	3	4.29%	8	WTPO Vol. 1, 7th Ed. Chap. 8
WTP Operations	1	1.43%	3	SWSOM, 6th Ed. Chap. 3
Math – Flow Rate	2	2.86%	7	See Math Formula Sheet
Math – Fluoridation	2	2.86%	5	See Math Formula Sheet
Math – Coagulation	2	2.86%	7	See Math Formula Sheet
Math – Disinfection	1	1.43%	4	See Math Formula Sheet
Math – Dose/Feed Rate	3	4.29%	11	See Math Formula Sheet
Math – Filtration Rate	2	2.86%	7	See Math Formula Sheet
Math – Pumps	2	2.86%	10	See Math Formula Sheet
Math – Solutions	1	1.43%	4	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				

B-Surface - 45 Questions on Test		Needs to Know		
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Bacteriology	2	4.44%	13	Rules Gov. Public Water Sys. (Green Book)
Coagulation/Flocculation	2	4.44%	10	WTPO Vol. 1, 7th Ed. Chap. 3
Corrosion Control	2	4.44%	3	WTPO Vol. 1, 7th Ed. Chap. 7
Cross Connection	1	2.22%	6	Rules Gov. Public Water Sys. (Green Book)
Disinfection Byproducts	1	2.22%	5	Rules Gov. Public Water Sys. (Green Book)
Disinfection	2	4.44%	12	WTPO Vol. 1, 7th Ed. Chap. 6
Disposal of Waste	1	2.22%	5	WTPO Vol. 2, 7th Ed. Chap. 6
Distribution System	2	4.44%	7	Rules Gov. Public Water Sys. (Green Book)
Filtration	2	4.44%	10	WTPO Vol. 1, 7th Ed. Chap. 5
Fluoridation	2	4.44%	6	WTPO Vol. 2, 7th Ed. Chap. 4
Instrumentation	2	4.44%	5	WTPO Vol. 2, 7th Ed. Chap. 7
Iron/Manganese Control	1	2.22%	8	WTPO Vol. 2, 7th Ed. Chap. 3
Lab Procedures	2	4.44%	8	WTPO Vol. 1, 7th Ed. Chap. 5
Maintenance	2	4.44%	3	WTPO Vol. 2, 7th Ed. Chap. 8
Plant Operations	2	4.44%	5	SWSOM, 6th Ed. Chap. 3
Pumps	2	4.44%	6	WTPO Vol. 2, 7th Ed. Chap. 8
Reservoir Management	1	2.22%	8	WTPO Vol. 1, 7th Ed. Chap. 2
Rules – CB	1	2.22%	10	Rules Gov. Water Treatment Facility Operators
Rules – PWS	1	2.22%	21	Rules Gov. Public Water Sys. (Green Book)
Safety	2	4.44%	11	WTPO Vol. 2, 7th Ed. Chap. 1
Sedimentation	1	2.22%	7	WTPO Vol. 1, 7th Ed. Chap. 4
Taste/Odor Control	1	2.22%	9	WTPO Vol. 1, 7th Ed. Chap. 8
Math – Flow Rate	1	2.22%	4	See Math Formula Sheet
Math – Fluoridation	2	4.44%	3	See Math Formula Sheet
Math – Volume	1	2.22%	4	See Math Formula Sheet
Math – Detention time	2	4.44%	6	See Math Formula Sheet
Math – Dose/Feed Rate	1	2.22%	12	See Math Formula Sheet
Math – Filtration Rate	1	2.22%	5	See Math Formula Sheet
Math – Pumps	1	2.22%	4	See Math Formula Sheet
Math – Solutions	1	2.22%	6	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				

C-Surface - 45 Questions on Test		Needs to Know				
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material		
Bacteriology	2	4.44%	11	Rules Gov. Public Water Sys. (Green Book)		
Coagulation/Flocculation	2	4.44%	7	WTPO Vol. 1, 7th Ed. Chap. 3		
Corrosion Control	2	4.44%	3	WTPO Vol. 1, 7th Ed. Chap. 7		
Cross Connection	1	2.22%	4	Rules Gov. Public Water Sys. (Green Book)		
Disinfection Byproducts	1	2.22%	2	Rules Gov. Public Water Sys. (Green Book)		
Disinfection	2	4.44%	12	SWSOM, 6th Ed. Chap. 4		
Distribution System	1	2.22%	2	Rules Gov. Public Water Sys. (Green Book)		
Filtration	1	2.22%	5	WTPO Vol. 1, 7th Ed. Chap. 5		
Iron/Manganese Control	2	4.44%	7	SWSOM, 6th Ed. Chap. 3		
Jar Test	2	4.44%	8	SWSOM, 6th Ed. Chap. 6		
Lab Procedures	2	4.44%	10	SWSOM, 6th Ed. Chap. 6		
Maintenance	2	4.44%	2	SWSOM, 6th Ed. Chap. 3		
Plant Operations	2	4.44%	7	SWSOM, 6th Ed. Chap. 3		
Pumps	2	4.44%	2	WTPO Vol. 2, 7th Ed. Chap. 8		
Reservoir Management	2	4.44%	9	WTPO Vol. 1, 7th Ed. Chap. 2		
Rules – CB	1	2.22%	10	Rules Gov. Water Treatment Facility Operators		
Rules – PWS	3	6.66%	11	Rules Gov. Public Water Sys. (Green Book)		
Safety	2	4.44%	8	SWSOM, 6th Ed. Chap. 5		
Sedimentation	1	2.22%	5	WTPO Vol. 1, 7th Ed. Chap. 4		
Taste/Odor Control	2	4.44%	5	WTPO Vol. 1, 7th Ed. Chap. 8		
Math – Averages	1	2.22%	1	See Math Formula Sheet		
Math – Conversions	2	4.44%	4	See Math Formula Sheet		
Math – Detention Time	2	4.44%	4	See Math Formula Sheet		
Math – Dose/Feed Rate	3	6.66%	17	See Math Formula Sheet		
Math – Volume	2	4.44%	3	See Math Formula Sheet		
Water Treatment Plant Operators Manual (WTPO).						
Small Water Systems Operations & Maintenance Manual (SWSOM).						

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Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Administration	3	4.29%	6	WTPO Vol. 2, 7th Ed. Chap. 9
Bacteriology	3	4.29%	13	Rules Gov. Public Water Sys. (Green Book)
Corrosion Control	3	4.29%	8	WTPO Vol. 1, 7th Ed. Chap. 7
Cross Connection	1	1.43%	8	Rules Gov. Public Water Sys. (Green Book)
Disinfection Byproducts	2	2.86%	4	Rules Gov. Public Water Sys. (Green Book)
Disinfection	1	1.43%	19	WTPO Vol. 1, 7th Ed. Chap. 6
Process Waste	3	4.29%	6	WTPO Vol. 2, 7th Ed. Chap. 6
Distribution System	2	2.86%	16	Rules Gov. Public Water Sys. (Green Book)
Fluoridation	3	4.29%	9	WTPO Vol. 2, 7th Ed. Chap. 4
Instrumentation	3	4.29%	5	WTPO Vol. 2, 7th Ed. Chap. 7
Iron/Manganese Control	3	4.29%	9	WTPO Vol. 2, 7th Ed. Chap. 3
Lab Procedures	3	4.29%	7	WTPO Vol. 1, 7th Ed. Chap. 9
Maintenance	3	4.29%	11	WTPO Vol. 2, 7th Ed. Chap. 8
Membrane Treatment	3	4.29%	12	WTPO Vol. 2, 7th Ed. Chap. 5
Rules – CB	2	2.86%	10	Rules Gov. Water Treatment Facility Operators
Rules – PWS	2	2.86%	40	Rules Gov. Public Water Sys. (Green Book)
Safety	3	4.29%	8	WTPO Vol. 2, 7th Ed. Chap. 1
Softening	3	4.29%	14	WTPO Vol. 2, 7th Ed. Chap. 2
Wells Construction	3	4.29%	10	NC Well Construction Standards (Red Book)
Wells Hydrology	3	4.29%	10	SWSOM, 6th Ed. Chap. 2
Wells Pumps	3	4.29%	4	SWSOM, 6th Ed. Chap. 2
Math – Demineralization	2	2.86%	4	See Math Formula Sheet
Math – Detention Time	1	1.43%	8	See Math Formula Sheet
Math – Disinfection	2	2.86%	16	See Math Formula Sheet
Math - Dose/Feed Rate	1	1.43%	4	See Math Formula Sheet
Math – Filtration	2	2.86%	6	See Math Formula Sheet
Math – Flow Rate	2	2.86%	6	See Math Formula Sheet
Math – Fluoridation	2	2.86%	9	See Math Formula Sheet
Math – Pressure Head	1	1.43%	3	See Math Formula Sheet
Math – Pumps	1	1.43%	8	See Math Formula Sheet
Math – Softening	1	1.43%	6	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				

B-Well - 45 Questions on Test		Needs to Know		
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Bacteriology	2	4.44%	10	Rules Gov. Public Water Sys. (Green Book)
Corrosion Control	2	4.44%	2	WTPO Vol. 1, 7th Ed. Chap. 7
Cross Connection	1	2.22%	6	Rules Gov. Public Water Sys. (Green Book)
Disinfection Byproducts	1	2.22%	4	Rules Gov. Public Water Sys. (Green Book)
Disinfection	1	2.22%	14	WTPO Vol. 1, 7th Ed. Chap. 6
Process Waste	1	2.22%	7	WTPO Vol. 2, 7th Ed. Chap. 6
Distribution System	1	2.22%	12	Rules Gov. Public Water Sys. (Green Book)
Fluoridation	2	4.44%	6	WTPO Vol. 2, 7th Ed. Chap. 4
Instrumentation	2	4.44%	4	WTPO Vol. 2, 7th Ed. Chap. 7
Iron/Manganese Control	2	4.44%	9	WTPO Vol. 2, 7th Ed. Chap. 3
Lab Procedures	2	4.44%	9	WTPO Vol. 1, 7th Ed. Chap. 9
Maintenance	2	4.44%	8	WTPO Vol. 2, 7th Ed. Chap. 8
Membrane	2	4.44%	6	WTPO Vol. 2, 7th Ed. Chap. 5
Rules – CB	1	2.22%	10	Rules Gov. Water Treatment Facility Operators
Rules – PWS	1	2.22%	14	Rules Gov. Public Water Sys. (Green Book)
Safety	2	4.44%	7	WTPO Vol. 2, 7th Ed. Chap. 1
Softening	2	4.44%	9	WTPO Vol. 2, 7th Ed. Chap. 2
Well Water Chemistry	2	4.44%	3	SWSOM, 6th Ed. Chap. 6
Well Construction	2	4.44%	13	NC Well Construction Standards (Red Book)
Well Hydrology	2	4.44%	7	SWSOM, 6th Ed. Chap. 2
Well Pumps	2	4.44%	6	SWSOM, 6th Ed. Chap. 2
Math – Detention Time	1	2.22%	4	See Math Formula Sheet
Math - Disinfection	2	4.44%	10	See Math Formula Sheet
Math – Dose/Feed Rate	1	2.22%	12	See Math Formula Sheet
Math - Filtration	1	2.22%	6	See Math Formula Sheet
Math – Flow Rate	1	2.22%	6	See Math Formula Sheet
Math – Fluoridation	2	4.44%	9	See Math Formula Sheet
Math – Pressure Head	1	2.22%	2	See Math Formula Sheet
Math – Pumps	1	2.22%	4	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				

C-Well - 45 Questions on Test		Needs to Know		
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Bacteriology	2	4.44%	7	Rules Gov. Public Water Sys. (Green Book)
Corrosion Control	2	4.44%	7	WTPO Vol. 1, 7th Ed. Chap. 7
Cross Connection	1	2.22%	8	Rules Gov. Public Water Sys. (Green Book)
Disinfection Byproducts	1	2.22%	1	Rules Gov. Public Water Sys. (Green Book)
Disinfection	2	4.44%	8	SWSOM, 6th Ed. Chap. 4
Dist System	1	2.22%	9	Rules Gov. Public Water Sys. (Green Book)
Lab Procedures	2	4.44%	7	SWSOM, 6th Ed. Chap. 6
Maintenance	2	4.44%	4	SWSOM, 6th Ed. Chap. 3
Rules – CB	2	4.44%	10	Rules Gov. Water Treatment Facility Operators
Rules – PWS	3	6.66%	17	Rules Gov. Public Water Sys. (Green Book)
Safety	2	4.44%	6	SWSOM, 6th Ed. Chap. 5
Small Water Systems	2	4.44%	4	SWSOM, 6th Ed. Chap. 3
Softening	2	4.44%	5	SWSOM, 6th Ed. Chap. 3
Treatment	2	4.44%	4	SWSOM, 6th Ed. Chap. 3
Well Water Chemistry	2	4.44%	4	SWSOM, 6th Ed. Chap. 6
Well Construction	3	6.66%	6	NC Well Construction Standards (Red Book)
Well Hydrology	2	4.44%	5	SWSOM, 6th Ed. Chap. 2
Well Pumps	2	4.44%	3	SWSOM, 6th Ed. Chap. 2
Math – Conversions	2	4.44%	5	See Math Formula Sheet
Math – Detention Time	1	2.22%	7	See Math Formula Sheet
Math - Disinfection	2	4.44%	10	See Math Formula Sheet
Math – Dose/Feed Rate	3	6.66%	9	See Math Formula Sheet
Math – Volume	2	4.44%	4	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				

D-Well - 45 Questions on Test Needs to Know				
Category	Number of questions on exam	Composition of test	Number of questions in test bank	Study Material
Disinfection	6	13.33%	12	SWSOM, 6th Ed. Chap. 4
Dist System & Cross Control	1	2.22%	4	Rules Gov. Public Water Sys. (Green Book)
Hydrology	1	2.22%	2	SWSOM, 6th Ed. Chap. 2
Lab Process- Bacteriology	5	11.11%	9	SWSOM, 6th Ed. Chap. 6
Rules - CB	2	4.44%	9	Rules Gov. Water Treatment Facility Operators
Rules - PWS (5)	5	11.11%	9	Rules Gov. Public Water Sys. (Green Book)
Safety	3	6.66%	5	SWSOM, 6th Ed. Chap. 5
Small Water Systems	2	4.44%	2	SWSOM, 6th Ed. Chap. 3
Treatment	2	4.44%	6	SWSOM, 6th Ed. Chap. 3
Well Construction	5	11.11%	10	NC Well Construction Standards (Red Book)
Well Hydrology	1	2.22%	4	SWSOM, 6th Ed. Chap. 2
Well Pumps	2	4.44%	2	SWSOM, 6th Ed. Chap. 2
Math - Conversions	2	4.44%	2	See Math Formula Sheet
Math - Disinfection	3	6.66%	6	See Math Formula Sheet
Math - Dose Feed Rate	3	6.66%	10	See Math Formula Sheet
Math - Volume	2	4.44%	3	See Math Formula Sheet
Water Treatment Plant Operators Manual (WTPO).				
Small Water Systems Operations & Maintenance Manual (SWSOM).				