

Drinking Water Examination Summary

Examination	Original Test Length	Revised Test Length	Cut Score (Fosnick Model)	Cut Score (Ebel Procedure)	New Cut Score	Old Cut Score
Part 1 General	34	34	24	27	26	18
Distribution	49	49	30		30	25
Dc Small Systems	73	73	54		54	46
Dn Small Systems	51	--	--	--	--	29
Conventional Filtration	60	53	40	40	40	39
Direct Filtration	44	44	27	27	27	23
Diatomaceous Earth	22	22	17	14	16	15
Slow Sand Filtration	18	18	13	12	13	13
Cartridge or Bag Filtration	17	17	13	10	11	11
Membrane Filtration	24	24	16	14	15	11
Corrosion Control and Sequestering	43	32	21	21	21	24
Chemical Addition	72	40	20	30	24	31
Ion Exchange & Greensand	34	34	22	19	22	23
Aeration & Activated Carbon Adsorption	42	42	25	26	26	26
Gaseous Chlorination Disinfection	66	47	33	33	33	39
Non-gaseous Chemical Disinfection	42	32	20	19	20	23
Ultraviolet Disinfection	23					11
Ozone Disinfection	37					21

Wastewater Examination Summary

Examination	Original Test Length	Revised Test Length	Cut Score (Fosnick Model)	Cut Score (Ebel Procedure)	New Cut Score	Old Cut Score
Part 1 General	82	82	54	50	54	45
Collection Systems	82	78	50	48	50	45
Activated Sludge	33	43	29	22	24	24
Fixed Film	31	31	22	20	22	23
Treatment Ponds and Lagoons	32	32	21	17	18	22

NOTE: Because there was no clear point between the Fosnick Model and the Ebel Procedure cut score for the Activated Sludge examination, another factor was needed to pick the final score of 24. This score was picked based on a comparison between the passing rates and the percentage of questions needed to be answered correctly. It appeared that the pass rate is improved significantly when the cut score represents 55 to 58% of the total questions on the exam.