

Plumber ILM Pre-Study Package Revised October 15, 2009

060101a	Safe Work Practices
060101b	WHMIS
060102aA	Hand and Power Tools - Part A
060102aB	Hand and Power Tools - Part B
060102b	Explosive Actuated Tools
060102c	Iron Pipe and Fittings
060102d	Copper Tube, Tubing and Fittings
060102e	Welded and Flanged Piping
060102f	Plastic Pipe and Fittings
060102g	Cast Iron, Fibreglass, Glass, Lead and Historic Piping
060102h	Pipe Hangers
060102i	Valves
060103b	Building Drains and Sewers, Individual Vents and Roof Terminals
060103c	Fixture Traps, Floor Drains, Cleanouts and Manholes
060103d	Plumbing Fixtures
060103e	The Water Supply System
060104a	Introduction and Definitions
060104b	Boilers and Trim
060104c	Hot Water Heating Systems
060104d	Heat Emission Units
060105a	Introduction to Gasfitting Fundamentals
060105bA	Introduction to Gasfitting Codes and Regulations
060105bB	Introduction to Gasfitting Codes and Regulations
060105c	Properties of Gases and Principles of Combustion
060105d	Measurement and Calculation of Pressure Drop
060105e	Natural Draft Burner Adjustments and Gas Consumption
060106a	Introduction to Oxyacetylene Equipment and Rigging
060108a	Introduction to Sketching and Drawing
060108b	Blueprint Interpretation
060108c	Single Line Drawing and Blueprint Interpretation
060202b	Dual Vents, Flat Vents and Residential Storm Drainage
060202c	Wet Venting of a Residential Bathroom Group
060202d	Residential Drainage, Waste and Venting

060202e	Commercial Wet Venting of One Bathroom Group
060202f	Plumbing Fixtures, Dishwashers and Garbage Grinders
060203a	Boiler Installation, Operation and Troubleshooting
060203b	Installation Procedures for Terminal Heating Units and Radiant Heating Panels
060203c	Expansion Control in Hydronic Heating
060203d	Basic Hydronic System Layout
060204a	Pipe Installation and Gas Line Sizing Regulations
060204b	Low-Pressure Gas Line Sizing and Installation
060204c	Pressure Regulators and Orifices
060204d	Pilots, Pilot Burners, Thermocouples and Thermopiles
060204e	Introduction to Flues, Draft Hoods and Vent Connections
060204f	Introduction to Vents and Chimneys
060205a	T-Drill, Brazing, Tube Bending and Grooved Pipe
060205b	Rigging and Hoisting
060206a	Welding Safety, Tools and Symbols
060206b	Welding and Cutting Theory
060208a	Single Line Pipe Drawings
060208b	Specifications and Blueprint Divisions
060208c	Blueprint Views and Elevations
060301a	Introduction to Private Sewage Disposal Systems
060301b	Septic Tanks, Effluent Chambers and Holding Tanks
060301cA	Approved Effluent and Sewage Treatment Components - Part A
060301cB	Approved Effluent and Sewage Treatment Components - Part B
060302a	Residential Drainage Waste and Vents Including Sumps and Backwater Valves
060302b	Floor Drains, Gang Showers, Washing Machines and Circular Rainwater Leaders
060302c	Island Vents, Vent Stacks, Yoke Vents, Offset Vents and Relief Vents
060302d	Commercial Wet Vent and Circuit Venting
060302e	Potable Water Distribution Systems
060302f	Water Heating Appliances and Hot Water Recirculation
060302g	Pressure-Reducing Valves and Booster Pumps
060302h	Faucets and Flush Valves
060302i	Plumbing Fixtures
060303a	Hydronic Radiant Heating and Heat Loss Calculations

060303bA	Introduction to Hydronic Radiant Heating Design - Part A
060303bB	Introduction to Hydronic Radiant Heating Design - Part B
060303c	Boiler Start-Up and Servicing
060304a	Sizing Vents and Chimneys
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060304c	Domestic Gas Fired Appliances
060304d	Basic Electricity for Gas Appliances and Controls
060304e	Electrical Circuits for Domestic Gas Appliances and Gas Controls
060304f	Gas and Electrical Controls
060304g	Propane Cylinders and Vaporization
060306c	Fixture Spacing
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060307a	Residential DWV Sketching
060307b	Commercial DWV Sketching
060401a	Introduction to Private Water Supply Systems
060401b	Pumps for Private Water Supply Systems
060401c	Private Water Supply Pressure System Components
060401d	Private Water Supply Pressure System Sizing
060401e	Introduction to Water Treatment
060401f	Impurities in Water
060401gA	Methods of Treatment and Equipment Installation - Part A
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060402aA	Cross-Connection Control Awareness - Part A
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060402b	Specialty Water Distribution Control Valves and Equipment
060402c	Introduction to Residential Fire Sprinkler Systems
060402d	Wet Standpipe and Dry Standpipe Fire Lines
060402eA	Swimming Pools and Spas - Part A
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060402f	Compressed Air Systems
060402g	Medical Gas Piping
060402h	Lawn Irrigation
060403a	Interceptors and Indirect Wastes
060403b	Sewage Sumps, Receiving Tanks and Dumping Stations
060403d	Specialty Plumbing Fixtures

060403e Commercial Equipment Installation

060405a Low-Pressure Gas Line Layout Including Venting and Air Supply

060405b 2-PSI Gas Line Layout

060405d Additional Vents

060405e Mid-Efficiency and High-Efficiency Gas-Fired Appliances

060406b Schematics and Waterline Sketching

DP060108d Drawing Package

DP060208d Blueprint Package

DP060307c Blueprint Package

DP060406e Blueprint Package