



Plumbers,  
Gasfitters and  
Drainlayers Board

Examination Guide  
9195  
Certifying Plumber  
Registration  
Examination

August 2010

## **Introduction**

This document provides examination information to those who are intending to sit the 9195 Certifying Plumber registration examination leading to eligibility for registration as a Certifying Plumber by the Plumbers, Gasfitters and Drainlayers Board ("the Board").

## **Registration Examination 9195**

1. Candidates are expected to answer examination questions in accordance with the Acts, Regulations and Codes in force at 1 January of the calendar year of the examination.
2. The purpose of the examination is eligibility for registration under the Plumbers, Gasfitters, and Drainlayers Act 2006 ("the Act").
3. The pass mark is 60%.
4. The examination is administered and managed by the Board or its agent(s).

## **Examination Information**

Please refer to [www.pgdb.co.nz](http://www.pgdb.co.nz) for all examination information and forms.

## **Registration as a Certifying Plumber**

For information and an application form on how to become a Certifying Plumber, please refer to the Board's website.

## Certifying Registration Examinations

### 9195 Certifying Plumber

#### Introduction

The examination scope has been specified by a Notice published in Gazette. This notice can be accessed through the Board's website [www.pgdb.co.nz](http://www.pgdb.co.nz) under the "About us" – "Publications/Reference Docs" section.

#### Written examination

1. Advanced knowledge of and ability to access and apply legislation, standards and codes.
  - Specific documents will be provided during the examination to examine this topic.
2. Water supply systems.
  - Multi-storey water supply systems.
  - Cold water reticulation.
  - Hot water supply.
  - Water for flushing sanitary fixtures.
  - Fire services.
  - Special-purpose supplies.
  - Water storage tanks.
  - Pipesizing; pipesizing methods, resistances and checks.
3. Water supply backflow protection systems.
  - Definitions.
  - Hazards.
  - Function of backflow devices.
  - Installation of backflow prevention devices.
  - Irrigation systems.
  - Testing of backflow devices.
  - Maintenance of backflow prevention devices.
  - Typical cases of backflow into the public water supply.
4. Hot water supply systems.
  - Solar water heating.
  - Methods of heat transfer.
  - Thermo siphon circulation.
  - Forced circulation.
  - Sizing solar water heating systems.
  - Multiple collectors.
  - Cold water supply.
  - Maintenance.
  - Pipesizing; pipesizing methods, resistances and checks.
5. Foul water systems.
  - Plumbing technology for foul water systems.
  - Compliance.
  - Drainage.
  - Plumbing work: G13/AS1 approach vs. AS/NZS 3500.2.2 approach.
  - Stack systems (AS/NZS 3500.2.2).
  - Layout of sanitary plumbing systems.

6. Weather proofing systems.
  - Roof flashing systems.
  - Wall penetrations.

## Legislation

Legislation that contains some requirements relevant to this paper.

These legislation documents can be downloaded free from [www.legislation.govt.nz](http://www.legislation.govt.nz).

- Plumbers, Gasfitters, and Drainlayers Act 1976 (for 2010 examinations)
- Plumbers, Gasfitters, and Drainlayers Act 2006 (from 2011 onwards)
- The Building Act 2004.
- Health Act 1956 Part 2A (Drinking Water) amended 2007.
- New Zealand Building Code and Handbook (available from [www.dbh.govt.nz](http://www.dbh.govt.nz)).

## Standards ([www.standards.co.nz](http://www.standards.co.nz))

Standards that contain some requirements relevant to this paper.

- AS/NZS 3500 Part 0:2003 Glossary of terms.
- AS/NZS 3500 Part 1:2003 Water services.
- AS/NZS 3500 Part 2:2003 Sanitary plumbing and drainage.
- AS/NZS 3500 Part 3:2003 Stormwater drainage.
- AS/NZS 3500 Part 4:2003 Heated water services.

## Weighting

	Topics	Marks
1.	Advanced knowledge of and ability to access and apply legislation, standards and codes.	10
2.	Water supply system	20
3.	Water supply backflow protection systems	15
4.	Hot water supply systems	25
5.	Foul water systems	25
6.	Weather proofing systems	5
	<b>Total marks</b>	<b>100</b>
	This weighting schedule is a recommendation and guide for tutors, examiners, moderators and candidates. It gives an approximate allocation of the emphasis given to topics in the examination.	