



Plumbers,
Gasfitters and
Drainlayers Board

Examination Guide 9192 Tradesman Plumber Registration Examination

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Introduction

This document provides examination information to those who are intending to sit the Tradesman Plumber 9192 registration examination leading to eligibility for registration as a Tradesman Plumber by the Plumbers, Gasfitters and Drainlayers Board ("the Board").

Registration Examination 9192

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 for all examination information and forms.

Registration as a Tradesman Plumber

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

Plumbing Registration Examination

9192 Tradesman 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 under the "Legislation" section.

Open book resources

Selected documents will be provided to candidates during the examination. Candidates may choose to refer to these in providing their answers.

By providing these documents, we aim to assess a candidates' ability to use and apply codes and standards, as well as their knowledge of the regulatory environment related to sanitary plumbing work.

While no specific weighting is given to assessing this ability and knowledge within the exam, candidates should be aware that questions may be asked to cover this aspect outside the outlined topics referred to on the weightings table on page 5.

Written examination

1. Workplace responsibilities and workplace safety.
 - Limitations on persons who do, or assist in doing, sanitary plumbing work.
 - Site safety, electrical safety, personal and public safety.
 - Safety practices relating to confined spaces, heights and excavations.
 - Safety practices relating to the handling of materials, electricity and tools.
 - Considerations related to building structure preservation and weather tightness when installing and/or maintaining plumbing pipework and fixtures.
2. Materials used in sanitary plumbing work.
 - Materials used for water supply, water heating, waste removal and space heating.
 - Properties and characteristics of materials, including limitations in their usage.
 - Handling methods.
 - Corrosion protection.
 - Jointing methods.

3. Water supply systems

- Installation, fault-finding and maintenance of water supply systems.
- Interpreting plans and specifications.
- Water supply sources, water quality and water protection.
- Hot and cold water reticulation systems.
- Pipework, valves, pumps, support.
- Sanitary appliances, sanitary fixtures and their controls.
- Calculations and trade science principles related to water supply systems.

4. Foul water systems

- Installation, fault-finding and maintenance of foul water systems.
- Interpreting plans and specifications.
- Sanitary fixtures and their controls.
- Calculations and trade science principles related to foul water removal systems.
- Pipework, valves, pumps, venting and support.

Legislation

Legislation that contains some requirements relevant to this paper.

These legislation and compliance documents can be downloaded for free from www.legislation.govt.nz or <http://building.govt.nz/compliance-documents>

- The Building Act 2004
- The Building Code and Compliance Documents:
 - New Zealand Building Code Handbook
 - B2: Durability
 - E1: Surface Water
 - E2: External Moisture
 - G1: Personal Hygiene
 - G3: Food Preparation and Prevention of Contamination
 - G12: Water Supplies
 - G13: Foul Water
- Health (Drinking Water) Amendment Act 2007
- Plumbers, Gasfitters, and Drainlayers Act 2006
- Health and Safety at Work Act 2015

Standards (www.standards.co.nz)

- AS/NZS 3500 Part 0:2003 Glossary of terms
- AS/NZS 3500 Part 1:2015 Water services
- AS/NZS 3500 Part 2:2015 Sanitary plumbing and drainage
- AS/NZS 3500 Part 3:2015 Stormwater drainage
- AS/NZS 3500 Part 4:2015 Heated water services
- AS/NZS 3604:2011 Timber Framed Buildings – Holes and checks in studs, plates and joists

Note: some of these standards are available (for online access only) through the PGDB personal login of tradespersons holding a current authorisation to carry out sanitary plumbing, gasfitting and or drainlaying.

Plumbing Weighting

1	Workplace responsibilities and workplace safety	10
2	Materials used in sanitary plumbing work	10
3	Water supply systems	45
5	Foul water systems	35
	Total Marks	100
	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.	