



Plumbers,
Gasfitters and
Drainlayers Board

Examination Guide 9193 Tradesman Gasfitter Registration Examination

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Introduction

This document provides examination information to those who are intending to sit the Tradesman Gasfitter 9193 registration examination leading to eligibility for registration as a Tradesman Gasfitter by the Plumbers, Gasfitters and Drainlayers Board ("the Board").

Registration Examination 9193

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 Gasfitter

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

Gasfitting Registration Examination

9193 Tradesman Gasfitter

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 gasfitting 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, gasfitting 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 pipework and appliances.

2. Materials and gases relating to gasfitting work.
 - Materials used in gasfitting work.
 - Properties and characteristics of materials, including limitations in their usage.
 - Handling methods.
 - Corrosion protection.
 - Jointing methods.
 - Types, uses, characteristics, composition, safe storage and safe handling of fuel gases.

3. Gasfitting systems

- Installation, testing, commissioning, fault-finding and maintenance of gasfitting systems.
- Interpreting plans and specifications.
- Gas supply pipework, service lines, meters and regulator systems.
- Testing, purging commissioning and decommissioning of gasfitting installations and/or its components.
- Gas-fired appliances and equipment.
- Domestic and non-domestic air and water heating.
- Control and testing devices.
- Safety devices.
- Ventilation and flueing.
- Calculations and trade science principles related to gasfitting systems.

Legislation

Legislation that contains some requirements relative to this paper.

Legislation documents can be downloaded free from www.legislation.govt.nz.

- Building Act 2004
 - Building Code and Handbook (<http://www.building.govt.nz/compliance-documents>)
 - B2: Durability
 - E2: External moisture
 - G4: Ventilation
 - G11: Gas as an energy source
- Plumbers, Gasfitters, and Drainlayers Act 2006
- Health and Safety at Work Act 2015
- Gas Act 1992
- Gas (Safety and Measurement) Regulations 2010

Standards (www.standards.co.nz)

- AS/NZS 5601:2013 Gas installations (Parts 1 and 2).
- NZS 5262:2003 Gas appliance safety.
- AS/NZS 1596:2014 The storage and handling of LP Gas.
- 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.

Gasfitting Weighting

1	Workplace responsibilities and workplace safety	10
2	Materials and gases related to gasfitting work	15
3	Gasfitting systems	75
	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.	