

is less than ten, and may decline to hold a practical examination at any centre on the sole ground that reasonable facilities for holding such examination do not exist at such centre. The decision of the Director in regard to the holding of an examination at any centre shall be final.

13. The Director may, at his discretion, accept or decline to accept the application of any candidate or candidates.

14. The rooms and equipment of any technical school or manual-training centre shall be available for the purpose of the conduct of the examinations without charge to the Education Department. The Department may, however, pay such charges for heating, lighting, cleaning, material, or other service as may be deemed to be reasonable.

15. The material for the practical tests, and also such writing-books, stationery, &c., as may be necessary, shall be supplied by the Education Department, but candidates may be required to provide their own tools, drawing-instruments, or other equipment. The Education Department may, however, supply such tools and equipment where undue hardship would be inflicted if the candidates themselves were required to do so.

16. The Director may make arrangements with any Technical School Board or any other body for the conduct of the examination, and of all matters incidental thereto, on behalf of the Department.

17. No information of the result of an examination or any matter connected therewith shall be given by any person except with the consent or authority of the Director. Any candidate, however, who is not satisfied with the result of his examination may, within three months of the examination, make application for a re-examination of his work, provided that any such application must be accompanied by a bank receipt for a fee of 10s. paid to the Public Account at some branch of the Bank of New Zealand. If, as a result of any re-examination of the candidate's work, an alteration in his favour of the marks awarded is necessary, the amount of 10s. shall be refunded.

18. The fees for the examination shall be as follows:—

	£	s.	d.
For any one written paper	0	10	0
For any one practical test	0	15	0
For more than one written paper	1	0	0
For more than one practical test	1	7	6
For an examination comprising both a written and a practical test	1	5	0
For an examination comprising two written papers and one practical test	1	7	6
For an examination comprising one or more written papers and two practical tests	1	10	0

SCHEDULE I.—SYLLABUSES OF EXAMINATION.

PLUMBING.

1. PRELIMINARY COURSE.

This course will normally occupy two years.

The written examination will include questions founded on the following subjects in their relation to plumbing:—

Workshop Arithmetic, Geometry, and Drawing.—Rules of decimals, duodecimals, and fractions.

The calculation of areas of plane and curved surfaces, and of the volumes and capacities of vessels of various shapes.

Plans, sections, and elevations of plumbing-work, and fittings and development of shaped surfaces.

Simple Applications of Elementary Science to Plumbers' Work.—Expansion and contraction due to changes of temperature. Flow of metals, such as lead and copper under great pressure, or in bossing. Atmospheric pressure, the barometer, gaseous laws and the elasticity of gases; thermometers and their use. Composition of water; the principle of the siphon and its application in plumbers' work. Workshop appliances, such as the lever, windlass, pulley-block, &c.; effects of heat and temperature on solids, liquids, and gases; definitions of force and work; simple problems in hydrostatics.

Alloys, Solders, &c.—Properties, composition, and preparation of different kinds of solders and other alloys used in plumbers' work; fusing-points; means of purification; fluxes and their use.

Trade Knowledge and Trade History, including a general knowledge of the items included under plumbers' work as applied to dwellinghouses. Manufacture of sheet lead, lead and copper pipes, solders, &c., and their use.