

the graticule (a) in a rectangular system, (b) in a curvilinear system of projection. Plotting by rectangular co-ordinates, by geographical co-ordinates, by protractor, by the natural functions of angles.

The field-book, methods of keeping, exercises in reading and the plotting from; plotting and drawing a map in the examination room.

Scaling lines, use of pricker, parallex of edge of scale, plotting to scale on shrunk or expanded paper, laying down scales on artificial and natural scale for the same map.

Enlarging and reducing a map by pantograph or eidograph, by plotting, by other methods—*i.e.*, photography, radial scaling, elastic band, &c.

Reproduction of maps by photography, outlined sketch of process; character of original required. (150 marks.)

Schedule C.—General Departmental Knowledge.

Administrative divisions of New Zealand—*i.e.*, land districts, names of centres of; field staff, indoor staff.

Functions of Department; survey and settlement of land; land and forest and reserves administrations; Acts administered by Department.

Details of practice and procedures in work of departmental branches (Land Transfer, Native, Statutory, Titles, &c.).

Organization of Department and Duties of Officers: Permanent Head; technical head; clerical staff, computing staff, draughting staff; maps controlled by draughting staff, the public maps, lithograph maps, county index or tenure maps, sale-plans, professional maps, the working plan and field-book, semi-public maps.

Departmental map indexes, the record map; Crown grant, Land Transfer, and road Record maps are not public maps, but office indexes only.

Kinds of survey—trig., topo., towns, settlement, Land Transfer, Public Works, roads, and railways. Districts required for survey and mapping purposes; meridional circuits; survey districts; survey blocks; irregular or old districts; system of plotting required by departmental regulations; true bearing, magnetic bearing, variation, the unit of length.

The working plan and field-book, their supreme importance, unique value as evidence, basis of title, of reproduction of boundaries, consequent care in preservation and handling; copies valueless as evidence, foundation of subsequent transactions of the Department.

The regulations generally; knowledge of storing of maps in safe; portfolios *v.* drawers.

Suggested Text-books.

Survey Cadets Manual, Part I	Department.
Proportions and Spacing of Roman Lettering
Chemistry of Paints and Painting	A. H. Church.
Modern Water-colour Pigments, No. 43	Winsor and Newton.
Drawing Instruments	Stanley.
Mathematical Instruments	Heather.
Text-book, Topo. Surveying*	Close.
Topographical Drawing and Sketching*	H. A. Reed.
Maps, their Uses and Construction	Morrison.
Surveying, Theory and Practice*	Johnson and Smith.
Military Sketching and Maps	Hutchinson.
Amslers Planimeter	Codd.

* Chapters only.

As witness my hand this twenty-seventh day of May, one thousand nine hundred and twenty.

W. R. MORRIS, Public Service Commissioner.

In pursuance of the provisions of the Public Service Act, 1912, His Excellency the Governor-General of the Dominion of New Zealand, with the advice and consent of the Executive Council of the said Dominion, approves the foregoing regulations.

LIVERPOOL, Governor-General.

Approved in Council this eighth day of June, one thousand nine hundred and twenty.

F. D. THOMSON,
Clerk of the Executive Council.