

RULE V.—CONDUCT OF EXAMINATIONS.

(1) The Board shall conduct examinations of candidates for Certificates of Competency as Land Surveyors in the month of September in every year.

(2) The Board may also conduct the like examinations at such other times as it deems necessary.

(3) The Board shall appoint examiners and supervisors and make all necessary arrangements for the conduct of examinations.

(4) The Board shall from time to time fix the date and place of every examination and give not less than six weeks' previous notice thereof by notice published in the *New Zealand Gazette*.

(5) Every candidate shall at least fourteen days before the date fixed for commencement of the examination make application in writing to the Registrar for permission to present himself for examination, and shall before the commencement of the examination pay the prescribed examination fee.

(6) No person shall present himself for any examination unless with his application he supplies—

(a) Documentary evidence to the satisfaction of the Board of having passed the preliminary examination specified in Rule III hereof :

(b) A certificate in the form numbered 1 in the Schedule hereto that he has served under articles as hereinbefore required and that he is competent to effect surveys on his own responsibility.

(7) Each candidate shall provide himself with a book of mathematical tables approved by the Board, a planimeter, a complete set of the usual scales, a parallel ruler (a 15-in. ruler being regarded as the most suitable), a protractor, and all other necessary appliances for plan-drawing, except paper. Traverse tables may be used. Calculating-machines other than slide rules shall not be allowed in the examination-room.

RULE VI.—SUBJECTS OF EXAMINATION (WRITTEN).

(1) Each subject shall be comprised in one paper for answering which a specified maximum time shall be allowed.

(2) The subjects of written examination shall be the following :—  
*No. 1. Laws and regulations affecting surveys.*—The Acts and regulations relating to—

(a) Surveys of land for purposes of title ; the subdivision of land ; opening and closing roads and rights-of-way ; the taking of land for special purposes :

(b) Surveys of mines, both surface and underground :

(c) Town-planning and regional-planning.

*No. 2. Plotting and plan-drawing.*—The plotting and drawing of plans from field notes and official data of surveys for title ; the plotting of sections and contours ; the determination of areas by mechanical means ; the technical description of boundaries ; the enlargement and reduction of plans ; lettering on maps and plans, and use of conventional signs.

*No. 3. Physics, Geology, and Forestry.*—Physics : The subject generally as contained in any good elementary text-book, with a more detailed knowledge of the laws underlying the construction and use of surveying instruments, *e.g.*, the pressure of liquids and gases as affecting the barometer, thermometer, and level. The allowance to be made for the effects of heat in the practical work of the surveyor. The reflection and refraction of light, lenses, &c. Terrestrial magnetism and variation of the compass.

Geology : The subject generally as contained in any good elementary text-book, with special reference to the classification of areas of land according to their formation, rocks, soils, &c., and their adaptability for industrial purposes (specimens of rock may be submitted for classification and description).

Forestry : The distribution of native timbers ; their economic values ; the influence of forestry on climate, water-supplies, and soil-erosion ; the principles of afforestation ; the measurement of logs and sawn timbers ; destructive agents and pests.

*No. 4. Computations A.*—Problems regarding standardization of steel tape, determination of working tension, sag and temperature corrections. Reduction of traverses and co-ordinates. Calculation of areas by double longitude and offset areas. Calculations in connection with areas and dimensions of plane figures having rectilinear or curved