

Great War; the disarmament movements of the last decade; problems of the Pacific.

(b) *New Zealand History*: A fairly detailed study of Maori history, life, and customs, and of the early history of New Zealand and of each province; the chief features in the development of New Zealand and Australia since 1850.

(c) *Civics*: The leading features of civic and parliamentary government in New Zealand.

(d) An historical notebook (or notebooks) indicating the personal work of the candidate in the collection and presentation of material for lessons on ten topics chosen from different portions of the above syllabus will be required from each candidate. These notebooks are to be forwarded direct to the Department on or before the 1st August.

(e) *Original Investigation*: Each candidate shall submit a thesis embodying the results of an original investigation that he has made into the history of some locality in New Zealand.

(20) *School Handwork*.—(a) *Written Test* (three-hour paper): (i) Principles and methods of handwork for kindergarten, infant, and primary-school classes, including paper-folding, paper-tearing, &c.; elementary cane and raffia work; stencilling and surface decoration of various kinds commonly used in the classroom, modelling in plasticine, clay, and other materials. The use of handwork in illustration of history, geography, arithmetic, and other subjects of the public-schools syllabus.

(ii) Handwork for post-primary classes up to Form III and simple crafts suitable for such classes. The materials, tools, processes, and design used in or suitable for one of the following crafts: Basketry; linoleum cutting and printing; leather-work; weaving; matmaking; embroidery and advanced needlework; modelling in clay or plasticine.

Note.—Papers in Part ii will be set in accordance with the crafts chosen by candidates for the practical test, and each candidate will be examined in relation to his chosen craft.

(b) *Practical Tests* (four-hour paper): (i) (two hours): Simple exercises in handwork suitable for kindergarten, infants, or primary-school classes, including cane and raffia work, modelling in clay or other plastic material, &c.

(ii) (two hours): An exercise in one craft chosen by the candidate from the list in Part ii of Paper (a).

Candidates will be expected to show skill in their chosen craft sufficient to enable them to teach it efficiently to pupils in the higher classes.

(21) *Woodwork and Metalwork*.—(a) *Written Paper* (three hours) Materials, tools, processes, and drawing required for carrying out work specified for the practical examination. Half the time shall be devoted to sketches and drawing with instruments, including freehand sketches sufficiently accurate and detailed to serve as guides to construction, and geometrical drawing including orthogonal, oblique, and isometric projections to a suitable scale of simple objects or tools within the range of the prescription for practical work.

(b) *Practical Examination* (four hours): (i) *Woodwork*: The adjustment, sharpening, and setting of edge tools. The following woodwork joints and their application in the construction of simple objects: Housed, halved, bridled, doweled, mortise and tenon, dovetail halving and box dovetail. The reduction of suitable pieces of wood to simple straight or curved forms by means of the ordinary hand-tools of the carpenter and joiner, including simple rebating, chamfering, ploughing, and inlaying. Fastening of wood by nails, screws, and glue; fixing in position of hinges, catches, and locks or other fasteners.

(ii) *Metalwork*: Sheet-metal and wire work, involving such operation as can be performed with the use of bench, vice, stakes, small anvil, small drill (up to $\frac{3}{8}$ in. holes), and hand-tools, including cutting, beating, and bending sheet metal up to $\frac{1}{16}$ in. in thickness, twisting and bending wires up to $\frac{1}{8}$ in. diameter; soldering with hard and soft solder, working out designs in beaten, bent, and twisted sheet metal and wire; cutting and screwing metal wires and rods up to $\frac{3}{8}$ in. diameter; filing, cutting, and bending sheet metal up to $\frac{1}{8}$ in. in thickness.

Candidates will be expected to be able to construct models of simple developable surfaces, and also to produce from ductile metal sheet by beating articles incorporating simple non-developable surfaces. Making, hardening, and tempering of small tools such as a small dotting punch, a chisel, a flat drill. A knowledge of the elements of Whitworth threads $\frac{1}{16}$ in. to $\frac{1}{2}$ in. and of B.A. threads Nos. 0-8 will be expected.

Decoration: The more elementary decoration of articles in wood by means of painting, inlaying, and carving or incising, and of articles in metal by simple repoussé, pierced, or filigree work. The combination of wood and metal in the construction and decoration of simple objects for use or ornament.