

by the candidate under (a), and of twenty-five (counting microscopic slides) also mounted and determined under (b). As evidence of the character and scope of the practical work done by the candidate, laboratory note books with drawings, properly certified, must be submitted at the examination, and the written papers may be supplemented by *viva voce* examination and tests in laboratory work and manipulation.*

(B) *Zoology* as in *Hertwig's Manual of Zoology* (translated by Kingsley). A practical knowledge of the system of classification and the use of manuals as Jordan's. An acquaintance with, (a) the more common vertebrate fauna of Nova Scotia, and (b) typical species of the classes of native invertebrates. The exhibition of and examination upon at least fifteen specimens under (a) and at least twenty-five microscopic or macroscopic specimens under (b), all correctly determined and neatly mounted or prepared by the candidate. As evidence of the character and scope of the practical work done by the candidate, laboratory note books with drawings, properly certified, must be submitted at the examination and the written papers may be supplemented by *viva voce* examination and tests in laboratory work and manipulation.*

(C) *Economic Biology*. A knowledge of the more common injurious weeds and insect pests of the Province; also of the biological role of Bacteria in relation to Agriculture. Works of reference: *Farm Weeds of Canada*; *Economic Entomology* by Smith, and *Bacteria in relation to Country Life* by Lipman.

(D) *History of Biology*. Prescribed readings: *From the Greeks to Darwin*, by Osborn; *Origin of Species* by Darwin; *Darwinsim Today* by Kellog.

Geology and Mineralogy.

(A) *General Geology* as in *College Geology* by Chamberlain and Salisbury, or an equivalent, and *Canadian Geology* as in *Geology and Economic Minerals of Canada* by Young and Brock.

(B) *Economic Geology*. The origin, mode of occurrence and uses of economic minerals as in Ries' *Economic Geology of the United States*, and the distribution of these in Canada, as in *Geology and Economic Minerals of Canada*.

*The candidate must show his ability to dissect macroscopically and microscopically, to make microscopic sections, and have an elementary knowledge of microscopic technique. A monograph upon, or a special study of, any biological group of species, may be accepted according to its merits as supplementing defects in collections, etc. Any original work showing a knowledge of the subject will enhance the candidate's standing.