

10. ZOOLOGY AND PALÆONTOLOGY.

Professor :—SIR J. WILLIAM DAWSON, LL.D., F.R.S.

Demonstrator :—W. E. DEEKS, B.A.

Third Year.—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals with recent and fossil examples, taken as far as possible from Canadian species,—the whole with reference to the study of Canadian Animals recent and fossil. Demonstrations in the Museum. *Text-Book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of \$20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize collections or duplicates of them to remain in the Museum if required. Candidates must be students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals, or the fossils of one geological system or one definite locality.

11. BOTANY.

Professor :—D. P. PENHALLOW, B.Sc.

Demonstrator :—C. N. DERICK, B.A.

Second Year.—This course is designed to give the students a thorough acquaintance with the principles of Morphology and Classification, the elements of Histology and the most prominent physiological functions of the plant. The Flora of Canada will be given prominence as far as possible, and in descriptive work constant use will be made of the large Herbarium and of the Botanic Garden. So far as time will permit, weekly excursions will be made for field study of plants.

TEXT-BOOKS.—Gray's Structural Botany. Gray's Manual. Penhallow's Classification. Penhallow's Guide to the Collection of Plants.

For the coming year a prize of \$25.00 will be offered by Mr. Alfred Joyce for the best collection of Canadian plants.

The specimens must be prepared in accordance with Penhallow's Guide to the Collection of Plants. Specimens collected by persons other than the actual competitors will not be admitted except when obtained by exchange. Competition is open to those students only who have taken the regular course of Botany in the previous session. Cultivated plants will not be taken into consideration.

All collections will be returned after the awards have been made.

Third Year.—ADDITIONAL COURSE. *Vegetable Histology.*—Two lectures with practical work each week. Microscopical manipulations, micro-chemical reactions, general histology of Phanerogams. Microscopical Drawing.

Fourth Year.—ADDITIONAL COURSE. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. No

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