

MATHEMATICAL PHYSICS.—(*Third Year.*)—Todhunter's Statics, (omitting Chapter 13,)—Tait & Steele, Dynamics of a particle.—Besant's Hydromechanics, Chap 1, 2, 3, 5.—Walton's Mechanical and Hydrostatical Problems —Parkinson's Optics.—Main's Practical and Spherical Astronomy, (selected course.)

B. A. HONOUR COURSE.

PURE MATHEMATICS.—Hind's Plane and Spherical Trigonometry.—Todhunter's Theory of Equations.—Hall's Differential and Integral Calculus.—Boole's Differential Equations (selected course.)—Gregory's Examples of the Calculus (omitting the last two Chapters.)—Salmon's Conic Sections.—Salmon's Geometry of Three Dimensions (selected course.)

MECHANICS.—Todhunter's Statics.—Tait & Steele, Dynamics of a particle.—Routh's Dynamics of a Rigid Body.—Besant's Hydromechanics.—Walton's Mechanical Examples.—Walton's Examples in Hydrostatics.

ASTRONOMY.—Main's Astronomy.—Sir John Herschel's Outlines of Astronomy (Part II. on the Lunar and Planetary Perturbations.)—Godfray's Lunar Theory.

Newton's Principia Lib. I., Sects. 1, 2, 3, 9, and 11,

LIGHT.—Lloyd's Wave Theory of Light,

HEAT,

ELECTRICITY,

MAGNETISM,

ACOUSTICS,

As in ordinary course.

The examinations for B. A. Honours will continue *four* days.

The examination for honours in the other years will continue *two* days.

Engineering students may be candidates for honours.

COURSE FOR THE ANNE MOLSON MATHEMATICAL PRIZE

The Mathematical Physics of the Honour Course in the Third Year.—

The value of the prize is about \$64. It is open for competition to Third Year Students in April 1876.

5. NATURAL HISTORY AND GEOLOGY.

Third Year. Mineralogy and use of the Blowpipe. Lithology. Elementary course in Chronological Geology. Text Books. Dana's Mineralogy and Synopsis by the Professor.

For the best examinations in this Course together with the Zoology of the third year, a prize of \$25 will be given from the surplus income of the Logan Medal Fund.

Fourth Year. The Lectures will include :—

1. An advanced course in General Geology and Palæontology, in connection with which the Students will be required to read Dana's Geology and Lyell's Student's Elements.

2. Canadian Geology, in connection with which the Students will read Reports of the Geological Survey of Canada, and Dawson's Acadian Geology.

3. Practical Exercises and Instruction in the methods of Observation and of conducting Geological Explorations, and in the Study of Palæontology. Text-book Von Cotta on Ore Deposits, and Nicholson's Palæontology. Excursions for Field-work when practicable.

In addition to the above, the student is required to pass an examination in any one of the following subjects.

1. Canadian Botany, as in Gray's "Text-Book", and "Manual," and specimens illustrative of these books from the Museum.

2. Zoology and Palæontology of Canada, as in Dawson's Hand-Book and Billing's Palæozoic Fossils, with specimens from the museum.

5. Mineralogy as in Dana, with specimens from the museum.

Candidates for Honours will be expected to attain to such proficiency as to be able to undertake original investigations in some at least of the subjects of study. Students in the Department of Applied Science may be Candidates for Honours.

(a) During Second Term:
First
(b) The Student may take at his option French or German in the first two years, or if a Theological Student, Hebrew.
Library open every day except Saturday, 10 to 4; Saturday 1 to 4: The Museum will be open as arranged by the Professor of Natural History.
(c) Optional
Experimental Physics.
Hebrew. (c)
† For Candidates for Honours.
§ From November 1st.
‡ For Practical work.