

B.—MATHEMATICS AND NATURAL PHILOSOPHY.

First Year—MATHEMATICS.

Euclid I.–VI. (Simson), Algebra (Wood, pp. 1–174, omitting pp. 136–161.) Collateral Subjects. Logarithms. Exercises in Algebra and Geometry.

Subjects of *First Pass Examination*;—work of the Session, including Collateral Subjects. For Honours;—the same, with subjects in Wood, pp. 136–161,—and Trigonometry, Definitions, Propositions 1–6 (Playfair's Euclid, by Kelland, ed. 1859, pp. 167–169, 180–183.)

Summer work for Matriculation Examination second year;—Euclid XI, 1–21, 33, XII. 1, 2, with 1st Lemma, (Simson). Algebra—Arithmetical, Geometrical and Harmonical Progressions, Permutations and Combinations. (Wood, ed. 1861, pp. 161–180.)

Second Year—MATHEMATICS.

Trigonometry—Definitions, Propositions, 1–6 (Playfair's Euclid by Kelland.) Conic Sections (Whewell.) Plane and Spherical Trigonometry (Snowball.) Analytical Geometry (Hann's in Weale's Series).

Collateral subjects:—Exercises. Plane and Geodetical Surveying, with the use of Surveying and Astronomical instruments.

Subjects of *Second Pass Examination*;—the work of the Session, including Collateral Subjects. For Honours;—all the Mathematics of the previous Course.

Summer work for Matriculation Examination third year;—Mensuration (Weale's Series, pp. 19–55). Hydrostatics (Galbraith and Haughton, chap. I. II.)

A Prize will be awarded to the best solutions of the problems in Snowball (Ed. 1863), p. 149, § XIX. 1–12, inclusive, and p. 158, § XXIV. 1–9, inclusive, given in by the 15th October of the Third Session.

Third Year—NATURAL PHILOSOPHY.

Mechanics (Galbraith and Haughton's). Hydrostatics (do.) Draper's Natural Philosophy. Analytical Geometry and Differential Calculus, one day in the week (Ritchie. Hall). Collateral Subjects:—Problems in Mechanics and Hydrostatics.

Subjects of *Third Pass Examination*;—work of the Session, including collateral subjects. For Honours;—all the Mathematics of the Undergraduate Course, and the Physics of the Session, together with such additional books and subjects, or parts of books and subjects, as the Student may profess.

Summer work for Matriculation Examination fourth year;—Optics (Galbraith and Haughton).

Fourth Year—NATURAL PHILOSOPHY.

Lectures. Astronomy (Galbraith and Haughton). Integral Calculus, one day in the week. Collateral subjects;—Problems in Natural Philosophy. Essays.