

§ 3.

MATHEMATICS AND NATURAL PHILOSOPHY.

Professor of Natural Philosophy—J. B. CHERRIMAN, M.A.

Mathematical Tutor—J. LOUDON, M.A.

Subjects of Lectures :

First Year.

Arithmetic; Algebra (Todhunter's Algebra for Beginners, *Colenso's); Euclid (Colenso's, Potts's, or Todhunter's); and Plane Trigonometry (Cherriman's, *Colenso's, or Todhunter's).

Second Year.

Elements of Statics and Dynamics (Cherriman's); *Analytical Conic Sections (Puckle's); *Newton's Principia, Secs. I. II. & III. (Evans's ed.); and *Rudiments of Differential and Integral Calculus (Hemming's).

Third Year.

Elements of Hydrostatics and Optics (Chambers's Educational Course); *Differential and Integral Calculus (DeMorgan's or Price's); *Analytical Geometry of two and three dimensions (Salmon's and Hymers's); *Theory of Algebraic Equations (Todhunter's); *Analytical Statics (Todhunter's); *Dynamics of a Particle (Sandeman's); *Geometrical Optics (Parkinson's); *Hydrostatics (Miller's or Besant's).

Fourth Year.

Elements of Astronomy (Herschel's), and of Acoustics (Chambers's Educational Course); *Spherical Trigonometry (Todhunter's); *Newton's Principia, Secs. IX. and XI. (Evans's ed.); *Plane Astronomy (Hymers's); *Lunar Theory (Godfrey's).

. The Lectures on Natural Philosophy are illustrated by Apparatus.

* Only for Candidates for Honors.