

§ 3.

MATHEMATICS AND NATURAL PHILOSOPHY.

Professor of Mathematics and Natural Philosophy.—J.

LOUDON, M.A.

Mathematical Tutor.—A. BAKER. B.A.

Subjects of Lectures :

First Year.

Arithmetic; Algebra (Loudon's, Colenso's, or Todhunter's); Euclid (*Colenso's, Pott'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. (Frost'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 Prices's); *Analytical Geometry of two and three dimensions (Salmon's and Aldis'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 (Hymer's); *Lunar Theory (Godfrey's).

*.*The Lectures on Natural Philosophy are illustrated by Apparatus.