

§ 3.

MATHEMATICS AND NATURAL PHILOSOPHY.

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

Mathematical Tutor.—J. LOUDON, M. A.

Subject of Lectures :

First Year.

Arithmetic ; Algebra (Loudon's, Colenso's, or Todhunter'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. (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. (Frost's ed.) ; Plane Astronomy (Hymers's) ; *Lunar Theory (Godfrey's).

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