2. MATHEMATICS.

EUCLID.

FIRST YEAR—Books III., IV., VI., XI., and definitions of Book V.

ALGEBRA.

Surds, Quadratic Equations, Intermediate Equations, Involution and Evolution, Proportion, Progressions, Permutations and Combinations, Binomial Theorem.

Text Books—Hall and Knight's Algebra. Hall and Stevens' Geometry.

(Five hours a week.)

PLANE TRIGONOMETRY.

SECOND YEAR—As far as DeMoivre's Theorem; use of Logarithms, Solution of Triangles, Measurement of Heights and Distances.

SOLID GEOMETRY.

Prism, Pyramid, Cylinder, Cone and Sphere.

ANALYTICAL GEOMETRY.

Straight Line, Circle, Parabola, Ellipse, Hyperbola.

Text Books—*Lock's* Plane Trigonometry, *Smith's* Conic Sections, *Heath's* Geometry in Space.

(Five hours a week.)

THIRD YEAR—Mathematical Physics.

Dynamics—*Loney's* Dynamics.

Statics—*Loney's* Statics.

Hydrostatics—*Besant's* Hydrostatics.

(Three hours a week.)

FOURTH YEAR—Mathematical Physics.

Spherical Trigonometry—*McClelland and Preston.*

Geometrical Optics—*Heath.*

Astronomy—*Young's* General Astronomy.

(Three hours a week.)