

FOURTH YEAR.

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

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

§ 9.

METEOROLOGY.

Professor—G. T. KINGSTON, M.A.

Subjects of Lectures :

Nature and object of the science.

Properties of heat and of gaseous bodies.

Construction and use of meteorological instruments and tables.
Mode of registering and classifying meteorological observations.

Reduction of observations at a given station. Diurnal and annual variation of the meteorological elements, deduced from a series of hourly observations. Calculation of the normal values of the several elements proper to any given epoch of the day and year. Non-periodic variations.

Geographical distribution of the meteorological elements, derived from the combination of the results obtained at different stations. Construction of charts exhibiting isothermal, thermic isabnormal and isobarometric lines, &c.

Physical causes which regulate the variations of the meteorological elements, and their geographical distribution.

Investigation of the laws of storms.

Practical application of Meteorology with reference to animal and vegetable life and the occupations of man.

(*Text-books*—Kaemtz's Meteorology; Brocklesby's Meteorology.)

*Only for Candidates for Honors.