

FOURTH YEAR.

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

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

§ 8.

METEOROLOGY.

Professor—G. T. KINGSTON, M.A.

Subjects of Lectures :

Preliminary remarks on the nature and object of the science.

A brief examination of some of the properties of heat and gaseous bodies.

A description of the construction and use of meteorological instruments, and of the mode of registering and classifying the data which these instruments severally furnish.

Considerations relative to temperature, with its diurnal and annual variations and geographical distribution.

An enquiry into the causes and physical peculiarities of different winds.

An investigation of aqueous phenomena, including the variations in the hygrometric condition of the atmosphere; the formation of clouds, fog, dew, rain, and snow; comparative prevalence of rain in different periods and in different regions.

Examination of the laws regulating the diurnal, annual, and geographical fluctuations of barometric pressure. Connexion between wind, the indications of the barometer, and aqueous precipitation.

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

(*Text-books*—Kaemt's Meteorology, by Walker; Drew's Practical Meteorology.)

Demonstrations are given by the Professor at the Magnetical Observatory.

* Only for Candidates for Honors

Subject

In this particular
bining P
Electricit
directed t
in outline

(Text-bo

The cou

Origin a

General p
—specific g

Heat—ex
aggregation

Light—as

Statical E
Electric Tel

Chemical

Non-metal

Metallic el

Vegetable

Animal Ch

Application

D