

DEPARTMENT V.—NATURAL SCIENCES.
MINERALOGY, GEOLOGY, AND PHYSICAL GEOGRAPHY.

Physical and Chemical Characters of Minerals, including the application of Crystallography, and the Construction of Chemical Formulas.

Classification of Minerals.

General Principles of Geology fully considered.

Paleontology.

Leading Principles of Physical Geography, as embraced in the present aspect and condition of the Earth.

Books of Reference.—Dana's System of Mineralogy, 4th Ed.; De la Beche's Geological Observer; Lyell's Principles and Elements of Geology; Somerville's Physical Geography; Johnson's Abridged Atlas. Synopses of Prof. Chapman's Lectures.

CHEMISTRY.

Applied Chemistry. *Book of Reference.*—Knapp's Technology.

METEOROLOGY.

Loomis, Meteorology—Chapters I. to V. inclusive.

DEPARTMENT VI.—METAPHYSICS, ETHICS, AND CIVIL POLITY.

CIVIL POLITY.

SMITH, Wealth of Nations. Bb. I., II., III., and IV.

Cox, British Commonwealth.

DEPARTMENT VII.—ORIENTAL LANGUAGES.

HEBREW.

JOB, Chapters III., IV., V., VI., VII.

Proverbs, Chapters I., II., III.

Ecclesiastes, Chapters I., II., XII.

FIXED COURSE.

The Fixed Course in the Fourth Year comprehends the following Departments and Sub-departments: Classics; Mathematics; English and French Languages.

VARIABLE COURSE.

Those who are not Candidates for Honors may take any three Departments; but two of them must be selected from the following four:—"Classics," "Mathematics," "Modern Languages" and "Natural Sciences." Those who take Hebrew must also take Classics. Those who have not taken Mathematics in the Third Year, must take Mathematics with Meteorology in this year. Those who have not taken Natural History in the Third Year must take Mineralogy, Geology, and Physical Geography, with Applied Chemistry, in this year.

Candidates for Honors at the Final Examination will be examined in the following additional Subjects:

DEPARTMENT I.—CLASSICS.

HERODOTUS, Bb. VI., IX.

THUCYDIDES, Bb. V., VII.

XENOPHON, Hellenics, B. I.

Anabasis, B. V.

POLYBIUS, B. X.

ÆSCHINES, against Ctesiphon.

DEMOSTHENES, on the Crown.

ARISTOTLE, Rhetoric, B. II.

Politics, B. II.

PLATO, Apology.

HOMER, Iliad, Bb. VI., XXII.

Odyssey, Bb. XII., XXI.

ÆSOP, Works and Days.

ÆSCHYLUS, the Persians and Prometheus.

EURIPIDES, Alceste and Medea.

SALLUST, Jugurtha.

LIVY, Bb. V., XXI., XXXI.

TACITUS, Histories, B. I.

Annals, B. I.

CICERO, for Archias, for Ligarius, and Philippic II.

de Oratore, B. II.

de Legibus.

Epistulae, ad Familiares, B. XIV.

PLINY, Epistles, B. VI.

LUCRETIVS, B. V.

VIRGIL, Æneid, Bb. IX., XII.

Georgics, Bb. I., IV.

Eclogues, I., IV., IX.

PLAUTUS, Aulularia.

TERENCE, Andrian.