HISTORY:

English History from the discovery of America to 1763.

General outlines of Greek History to the battle of Chaeronea, 338 B.C. Special attention to be paid to the following: General characteristics of Greece and the Greeks; ancient institutions; constitution of Athens and Sparta; Persian wars; growth of the Athenian Empire; characteristics of the age of Pericles; Peloponnesian wars; rise of Thebes; Theban supremacy; rise of Macedon; downfall of Greece.

General outlines of Roman History to the death of Augustus. Special attention to be given to the following: General characteristics of Italy and the Roman people; struggle of the Plebeians for political and social equality; conquest of Italy; Punic wars; how Rome governed and was governed; internal and external History of Rome from the downfall of Carthage to the death of Augustus.

The Geography relating to the History prescribed.

One examination paper.

MATHEMATICS.

ALGEBRA: Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions; Square Root; Simple Equations of one, two and three unknown quantities; Indices; Surds; Quadratics of one and two unknown quantities; Theory of Divisors; Ratio, Proportion, and Variation; Progressions; Notation; Permutations and Combinations; Binomial Theorem; Interest Forms; Annuities.

One examination paper.

GEOMETRY: Euclid, Books I, II, III, IV, and VI; Definitions of Book V; Deductions.

One examination paper.

TRIGONOMETRY: Trigonometrical ratios with their relations to each other; Sines, etc., of the sum and difference of angles with deduced formulas; Use of Logarithms; Solution of Triangles; Expressions for the area of Triangles; Radii of circumscribed, inscribed, and escribed circles.

One examination paper.

PROBLEMS: One paper.

PHYSICS.

MECHANICS: Measurement of velocity; uniformly accelerated rectilineal motion; metric units of force, work, energy and power; equilibrium of forces acting at a point; triangle, parallelogram, and polygon of forces; parallel forces; principle of moments; centre of gravity; laws of friction; numerical examples.

HYDROSTATICS: Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure