

Analytic Solid Geometry.
Differential Calculus, Successive and Partial Differentiation,
Expansion of Functions, Direction of Curvature.
Surveying, Theory and Practice of Levelling.
Geometrical Drawing, Projection and Perspective.
Field Work.

6th Term.—Algebra, Theory of Equations.
Spherical Trigonometry, Inscribed and Circumscribed Circles,
Spherical Excess.
Analytic Geometry, Supplementary Propositions.
Differential Calculus, Maxima and Minima.
Surveying, Hydrographic and Mine Surveying.
Geometrical Drawing, Perspective.
Platting Contour Map.
Field Work.

7th Term.—Geometrical Conics, General Properties.
Integral Calculus, Elementary Integrals.
Mechanics (Pure), Statics.
Hydrostatics.
Civil Engineering, Railway Curves.
Surveying, Geodesy.
Platting, Plans and Elevations of Buildings.
Detail Drawing for Wood, Iron and Masonry Structures.
Field Work.

8th Term.—Geometrical Conics, Parabola and Ellipse.
Integral Calculus, Integration by Parts, by Substitution, and
by formulæ of Reduction, Trigonometric Integrals.
Mechanics (Pure), Dynamics.
Physics, Electricity, Elementary Principles and Application.
Civil Engineering, Railway Curves, and Earthwork.
Surveying, Topography.
Platting, R. R. Location and Profile.
Detail Drawing.
Field Work.

9th Term.—Geometrical Conics, Hyperbola.
Integral Calculus, Application to Curves, Volumes, Surfaces, etc.
Mechanics (Pure), Dynamics.
Acoustics, Elementary Principles.
Civil Engineering, Earthwork.
Surveying, Precise and Barometric Levelling.
Platting, R. R. Location, Profile and Sections.
Field Work.