Chapter XIII—Asymptotes. § 196-203 explained more simply. Chapter XIV—Brief explanation of multiple points.

Chapter XV-Brief explanation of envelopes, and the general methods of determining them.

Chapter XVI-Convexity and concavity. Omit the analycal investigation in \$ 223.

Chapter XVII—Radius of curvature; Omit § 228. Read over § 231; omit § 232-23; 234-6. Read over § 239. Omit § 241-2. Read over § 243-8, and note conclusions. Omit § 249-54. Read over § 255.

Chapter XVIII—Brief explanations and easy examples. The Limaçon and Trisectrix. Trisection of an angle. The conchoid § 270-71.

Chapter XIX-Roulettes § 272-7. Read over § 278. Geometrical proof of hypocycloid and hypotrochoid when the radius of the inner circle is half that of the outer, § 285.

Chapter XX—Elimination of Constants and Functions, § 302-3. Ohapter XXI—Change of the Independent Variable, § 311, 315-6...Marks, June, 500 SECTION M.-Integral Calculus. This subject will be commenced as soon as the process of differentiation has become easy. The elementary formulæ as the reverse

SYLLABUS OF MATHEMATICS-2ND CLASS-(OBLIGATORY)-TOTAL MARKS, 2500.

Euclid (Todhunter)-3rd and 4th Class course	300
Arithmetic—As for 4th Class	100
Algebra-4th Class course	200
Trigonometry-3rd and 4th Class course-and selection of	
spherical triangles	200
Conics-3rd Class course	100

Mensuration (Lectures or Notes to be printed.)

The bases of similar pyramids are in the duplicate ratio of their altitudes. Equality of pyramids on the same or equal basis, and having the same altitude, proved by equality of sections. Trisection of a prism into three equal pyramids. Volume of a pyramid or cone. Truncated prism on a triangle or parallelogram as base, in terms of its mean altitude. Wedge regarded either as a truncated prism, or as a pyramid and right wedge or semi-parallelopiped. Volume of frustum of pyramid or cone. Volume of a prismoid defined as a solid bounded by planes, two of which are parallel, assumed to be divisable into prisms, pyramids and wedges, all having the same altitude; mean section $\frac{A+4M+B}{6}$. General definition of a mean. Application to calculations of earth work. Surface of pyramid or cone. Dynamics and Work. - (Todhunter's Mechanics for beginners)

Velocity. Chapter 1.--Angular velocity in terms of circular measure. $v = ra; a = \frac{2\pi n}{t}$