

Chapter V.—Resistance of the air. History up to Bashforth's experiments and conclusions. Calculations leading to $v = \frac{V}{1 + c \sqrt{Vs}}$ and to the Tables of remaining Velocity. Practical use of these tables. Consider also the Table of *K* page 48. Omit Table page 54.

Chapter VI.—Calculation of Trajectories; vertical height and angle of descent. Omit pages 69 to 84.

Chapter VII.—Drift of elongated projectiles. See also manual of Canadian Artillery.

Chapter VIII.—Probability of fire.

Chapter IX.—Penetration of projectiles. General principles without detail.

Appendix.—General acquaintance with the principles of Le Boulenger's Chronograph; Bashforth's Clock and Gravity Chronograph; Watkins' Electric Chronograph; Noble's Crusher Gauge and Chronoscope.....*Marks, 500.*

Section C.—(Tracts on Mechanics. Part III.)

Application of mathematics to artillery machines, including tackles and purchases; hydraulic and other jacks; elevating screws; triangle gyn, shears, derricks, sling waggon, Gibraltar gyn, strains on a traversing platform, &c.....*Marks, 100.*

APPENDIX F 4.

ROYAL MILITARY COLLEGE OF CANADA.

SUMMARY OF COURSE OF INSTRUCTION IN MILITARY ADMINISTRATION AND LAW.

Total Marks.....2,500.

Third Class.

Total number of Marks (Obligatory) 1,500

Military Administration.	{ Examinations 850 }	} 900	} 1,500
	{ Notes..... 50 }		
Military Law.....	{ Examinations..... 550 }	} 600	
	{ Recitations & Notes. 50 }		

MILITARY ADMINISTRATION.

General principles of the organization of armies and the special laws relating to soldiers.

Maintenance of discipline, and chain of responsibility.

British military units from companies, troops and batteries up to army corps.

War establishments of the British army.

A short account of the British method of keeping up an army, recruiting, length of service, &c. Comparison between voluntary and compulsory enlistment, relative advantages and disadvantages of each system. Rules of enlistment. Comparison between long and short service.

Reserves for the British army, army reserve, militia reserve, auxiliary forces. Military force of Great Britain.

Organization of the regular army, infantry, cavalry, artillery, engineers. Non-combatant branches. Commissariat and transport, ordnance store, pay, army medical and veterinary departments.

Pay and allowances, and a brief description of the accounts to be kept by the captain of a company.