

PHYSICS 12

TABLE OF SPECIFICATIONS FOR THE PROVINCIAL EXAMINATION

CURRICULUM			COGNITIVE LEVEL			TOTAL
ORGANIZERS	SUB-ORGANIZERS (PLO)	SUB-TOTAL	Knowledge	Understanding and Application	Higher Mental Processes	%
Experiments and Graphical Methods	A1,2		Integrated Throughout			
Vectors	B1 Vectors		Integrated Throughout			
Kinematics	C1 Relative Velocity C2 Motion with Constant Acceleration	9	<----- 9 ----->			9
Dynamics	D1 Forces D2 Two-Dimensional Dynamics	9	<----- 4 -----> <----- 5 ----->			9
Work, Energy and Power	E1 Work, Energy and Power	6	<----- 6 ----->			6
Momentum	F1 One-Dimensional Momentum F2 Two-Dimensional Momentum	6	<----- 6 ----->			6
Equilibrium	G1 Equilibrium	12	<----- 12 ----->			12
Circular Motion	H1 Circular Motion	8	<----- 8 ----->			8
Gravitation	I1 Gravitation	8	<----- 8 ----->			8
Electrostatics	J1,2 Electric Force and Electric Field J3,4,5 Electric Potential Energy and Electric Potential	12	<----- 12 ----->			12
Electric Circuits	K1 Ohm's Law and Kirchhoff's Laws K2 Power and Energy	12	<----- 12 ----->			12
Electromagnetism	L1 Magnetic Forces L2 Magnetic Induction	9 9	<----- 18 ----->			18
TOTAL 100%		100	10	80	10	100

The values in this table are approximate and may fluctuate.

Examination configuration: 35 questions in multiple-choice format (worth 70%)

Written-response questions (worth 30%)

Acknowledgement

The Assessment Branch wishes to acknowledge the contribution of British Columbia teachers in the preparation and review of this document.