



PHYSICAL SCIENCES
SCOPE FOR EXAMINATIONS 2025: GRADE 12

MARCH CONTROLLED TEST (100 marks)			
PAPER	TOPICS	MARK	DURATION
ONE PAPER ONLY	Mechanics Momentum & Impulse ✓ Momentum, Newton's second law expressed in terms of Momentum. ✓ Conservation of momentum and Elastic and Inelastic collisions. ✓ Vertical projectile motion in one dimension (1D): represented in words, diagrams, equations and graphs. Grade 11 Work ✓ Newton's Laws (Newton 1, 2, 3) ✓ Newton's Law of Universal Gravitation) ✓ Applications of Newton's Laws NB: PLEASE NOTE GRAPHS AND IT'S INTERPRETATION CAN BE ASSESSED ACROSS ALL TOPICS.	50	2 hours
	Matter and Materials Organic molecules: ✓ Organic molecular structures - functional groups, saturated and unsaturated structures, isomers ✓ IUPAC naming and formulae ✓ Structure physical property relationships ✓ Applications of organic chemistry - Substitution, addition and elimination. (Functional Groups: alkanes, alkenes, alkynes, alcohols, haloalkanes, ketones, aldehydes, carboxylic acids, and esters)	50	
	Grade 11 Work ✓ Inter-molecular forces NB: Quantitative aspects of chemical change may be assessed across chemistry. NB: PLEASE NOTE GRAPHS AND IT'S INTERPRETATION CAN BE ASSESSED ACROSS ALL TOPICS.		

Scope For Grade1physical Science Paper

AN Whitehead



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