KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

PHYSICAL SCIENCES

SCOPE FOR CONTROL TESTS AND EXAMINATION 2025: GRADE 11

MARCH CONTROLLED TEST			
PAPER	**TOPICS**	**MARK**	**DURATION**
ONE PAPER ONLY	• Vectors in two dimensions • Newton's laws • Electrostatics	100	2 hours

JUNE / MID-YEAR EXAMINATION			
NB: June / Mid-year examination will assess all the Term 1 and Term 2 work.			
PAPER	**TOPICS**	**MARK**	**DURATION**
PAPER 1	• Vectors in two dimensions • Newton's laws • Electrostatics • Electromagnetism • Electric circuits	75	1 ½ hours
PAPER 2	• Chemical bonding • Lewis diagrams and electron configuration • Writing of formulae • Molecular shapes • Electronegativity • Intermolecular forces	75	1 ½ hours

SEPTEMBER CONTROL TEST			
PAPER	**TOPICS**	**MARKS**	**DURATION**
ONE PAPER ONLY	ONE PAPER (100 marks) • • Quantitative aspects of chemical change • Energy and chemical change • Acids and bases • Ideal gases and thermal properties	100	2 hours

FINAL EXAMINATION: GRADE 11	
Paper 1: Physics **3 hours**	**Paper 2: Chemistry** **3 hours**
SECTION A:	**SECTION A:**
Multiple-choice questions	Multiple-choice questions
SECTION B: Conceptual questions assessing all themes	**SECTION B:** Conceptual questions assessing all themes
Total: 150 marks	**Total: 150 marks**

MARK ALLOCATION PER KNOWLEDGE AREA: FINAL EXAMINATIONS GRADE 11

PAPER 1

Knowledge Area	Theme	Marks
Mechanics (±55%)	• Vectors in two dimensions • Newton's laws	83
Electricity and magnetism (±45%)	• Electrostatics • Electromagnetism • Electric circuits	67
	TOTAL	**150**

PAPER 2

Knowledge Area	Theme	Marks
Matter and Materials (±40%)	• Atomic combinations • Intermolecular forces • Ideal gases and thermal properties	60
Chemical Change (±60%)	• Quantitative aspects of chemical change • Energy and Chemical Change • Acid – base reactions • Redox reactions	90

TOTAL	**150**