



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

PHYSICAL SCIENCES

SCOPE FOR CONTROL TESTS AND EXAMINATION 2024: GRADE 11

MARCH CONTROLLED TEST			
PAPER	TOPICS	MARK	DURATION
ONE PAPER ONLY	<p>Mechanics:</p> <ul style="list-style-type: none"> Vectors in two dimensions, Different kinds of forces, Force diagrams, Free-body diagrams, Newton's First, Second and Third Laws, Newton's Law of Universal Gravitation. <p>Electricity and Magnetism: Electrostatics</p> <ul style="list-style-type: none"> Electric charge and charge transfer (grade 10) Coulomb's Law, Electric Fields. 	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	<ul style="list-style-type: none"> Vectors in two dimensions Newton's laws Electrostatics Electromagnetism Electric circuits 	75	1½ hours
PAPER 2	<ul style="list-style-type: none"> Chemical bonding Lewis diagrams and electron configuration Writing of formulae Molecular shapes Electronegativity Intermolecular forces 	75	1½ hours

SEPTEMBER CONTROL TEST			
PAPER	TOPICS	MARKS	DURATION
ONE PAPER ONLY	<ul style="list-style-type: none"> Quantitative aspects of chemical change Energy and chemical change Acids and bases Ideal gases and thermal properties 	100	2 hours

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Lingsheng Yao



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