



**KWAZULU-NATAL PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA

## PHYSICAL SCIENCES

### SCOPE FOR CONTROL TESTS AND EXAMINATION 2026: GRADE 11

<b>MARCH CONTROLLED TEST</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARK</b>	<b>DURATION</b>
ONE PAPER ONLY	<ul style="list-style-type: none"> <li>• Vectors in two dimensions</li> <li>• Newton's laws</li> <li>• Electrostatics</li> </ul>	100	2 hours

<b>JUNE / MID-YEAR EXAMINATION</b>			
<b>NB: June / Mid-year examination will assess all the Term 1 and Term 2 work.</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARK</b>	<b>DURATION</b>
PAPER 1	<ul style="list-style-type: none"> <li>• Vectors in two dimensions</li> <li>• Newton's laws</li> <li>• Electrostatics</li> <li>• Electromagnetism</li> <li>• Electric circuits</li> </ul>	100	2 hours
PAPER 2	<ul style="list-style-type: none"> <li>• Chemical bonding</li> <li>• Lewis diagrams and electron configuration</li> <li>• Writing of formulae</li> <li>• Molecular shapes</li> <li>• Electronegativity</li> <li>• Intermolecular forces</li> </ul>	50	1 hour

<b>SEPTEMBER CONTROL TEST</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARKS</b>	<b>DURATION</b>
ONE PAPER ONLY	ONE PAPER (100 marks) <ul style="list-style-type: none"> <li>• Quantitative aspect of chemical change</li> <li>• Acids and bases</li> <li>• Types of reactions</li> <li>• Gas Laws</li> </ul>	100	2 hours

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

**MARK ALLOCATION PER KNOWLEDGE AREA: FINAL EXAMINATIONS GRADE 11**

**PAPER 1**

Knowledge Area	Theme	Marks
Mechanics (±55%)	<ul style="list-style-type: none"> <li>• Vectors in two dimensions</li> <li>• Newton's laws</li> </ul>	83
Electricity and magnetism (±45%)	<ul style="list-style-type: none"> <li>• Electrostatics</li> <li>• Electromagnetism</li> <li>• Electric circuits</li> </ul>	67
<b>TOTAL</b>		<b>150</b>

**PAPER 2**

Knowledge Area	Theme	Marks
Matter and Materials (±40%)	<ul style="list-style-type: none"> <li>• Atomic combinations</li> <li>• Intermolecular forces</li> <li>• Ideal gases and thermal properties</li> </ul>	60
Chemical Change (±60%)	<ul style="list-style-type: none"> <li>• Quantitative aspects of chemical change</li> <li>• Energy and Chemical Change</li> <li>• Acid – base reactions</li> <li>• Redox reactions</li> </ul>	90
<b>TOTAL</b>		<b>150</b>