

**LIST OF TOPICS**  
**2025 ACADEMIC CHALLENGE REGIONAL EXAM**

<b>Mechanics</b>	<b>Tot</b>
Units	1
Kinematics	4
Vectors	2
Newton's Laws	6
Dimensional Analysis	1
Work-Energy	2
Conservation of Energy	1
Conservation of momentum	2
Gravitation	
Density	1
Torque	1
Rotational Dynamics/Kinematics	2
Circular motion	
Angular Momentum	1
Center of mass	1
Fluid Dynamics	1
Static equilibrium	1
Power	
Electricity & Magnetism	2
Thermodynamics	1
Optics	1
Atomic Physics	1
Sound	
Quantum physics	2
Special Relativity	1
<b>Factual Recall:</b>	<b>5</b>
<b>Multiple Parts:</b>	<b>4</b>
<b>Previous Exams:</b>	<b>2</b>