

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

<b>Mechanics</b>	<b>Tot</b>
Units	1
Kinematics	3
Vectors	2
Newton's Laws	5
Dimensional Analysis	
Work-Energy	1
Conservation of Energy	1
Momentum	2
Gravitation	1
Density	1
Torque	1
Rotational Dynamics/Kinematics	2
Circular motion	1
Angular Momentum	1
Center of mass	1
Fluid Dynamics	
Static equilibrium	1
Power	1
Electricity & Magnetism	2
Thermodynamics	1
Optics	1
Atomic Physics	1
Sound	1
Quantum physics	3
Special Relativity	1
<b>Factual Recall:</b>	<b>3</b>
<b>Multiple Parts:</b>	<b>3</b>
<b>Previous Exams:</b>	<b>5</b>