

**Academic Challenge**  
**Sectional Physics Exam 2023**

**Mechanics**

vectors	1
dimensional analysis	1
kinematics	4
Newton's Laws	3
density	1
work-energy	5
gravitation	2
rotational motion	1
momentum conservation	2
static equilibrium	2
fluids	1
simple harmonic motion	3
elasticity	1

**E&M**

electric force	1
circuits	1

**Thermodynamics**

heat	1
ideal gas	1

**Sound**

resonance	1
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**Modern Physics**

radioactive decay	2
quantum physics	1

**Optics**

refractive index	1
interference	3