

**Academic Challenge  
Regional Physics Exam 2023**

**Mechanics**

unit conversion	1
vectors	1
dimensional analysis	1
kinematics	4
Newton's Laws	5
density	1
work-energy	5
center of mass	1
gravitation	1
rotational motion	3
momentum conservation	1
static equilibrium	1
fluids	1
simple harmonic motion	1

**E&M**

magnetic flux	1
circuits	1

**Thermodynamics**

heat	1
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**Sound**

resonance	1
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**Modern Physics**

relativity	1
radioactive decay	1
quantum physics	2