| King Abdulaziz University | Faculty of Science | Department of Physics |
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| PHYSICS 202: BA | Fall 2010-11 | Quizzes\#6\&7 |

## Name:

1. A 2.5 eV proton rotates in a circle of radius 3.34 cm under the influence of a uniform magnetic field. Calculate the magnitude of the magnetic field.
2. Two long straight wires, having equal but opposite currents, are parallel and 8 cm apart. If the magnitude of the magnetic field at a point halfway between them is $300 \mu \mathrm{~T}$, calculate the current.
