Physics 212, Spring 2012

this question.

| | Dr. Gla | | | |
|----|---------------------------|--|--------------------------|----------------------------|
| | | _ | : Chap. 31 | |
| | | :KEY | | UM ID: |
| | Clearly | y write the letter of the best choice | e in the space provided | |
| 1. | <i>downw</i> will be | A conducting ring lays flat on a table ward approaches the ring from above e flowing: clockwise | | |
| | | counter clockwise | | |
| | | up | | |
| | | down | | |
| | u. | down | | |
| 2. | ring <i>ex</i> | For the same configuration described axpanded, would the current be flowing clockwise | _ | re stationary and the |
| | b. | counter clockwise | | |
| | c. | up | | |
| | d. | down | | |
| 3. | the are a. b. c. | If the magnet above were moving rea of the ring need to change in or Increase Decrease Remain the same Rotate | 2 | 0 0 |
| 4. | C_ | A solenoid is connected to a galva | nometer for which the | e direction of the |
| | needle | e deflection indicates the sign of t | he voltage. If a bar ma | gnet passes all the |
| | way t | t hrough the solenoid, describe the | e deflection of the need | le. |
| | | Deflects one way, returns to 0, tl | | vay. |
| | | Deflects one way, the slowly ret | | |
| | | Deflects one way, returns to 0, the | nen deflects the other v | vay. |
| | d. | Does not deflect at all. | | |
| 5. | coil of | Two small magnets are dropped for five and one does not. The mag At the same time. | _ | One passes through a |
| | | | Llande firet | |
| | D. C. | | | |
| | | We need to know the polarity of | | s the coil to answer |
| | u. | we need to know the polarity of | the magnet as it enter | s the con to answer |