

Quiz 3: Chap. 33

NAME: _____ KEY _____

UM ID: _____

Clearly write the letter of the best choice in the space provided

1. B A current driven through a resistor by an AC voltage will flow
 - a. in both directions at once
 - b. in one direction, then the other
 - c. in one direction only
 - d. depends on the amount of resistance

2. C The RMS value of an AC voltage is used for power because
 - a. the values change all the time
 - b. the average is negative
 - c. the average is 0
 - d. the average is the same as the amplitude

3. A The "RMS" label stands for
 - a. root mean square
 - b. root beer, meanie, sorry
 - c. right angle, median, square root
 - d. resistor, mutual inductance, solenoid

4. C A phasor diagram is a way to
 - a. graphically represent a circuit
 - b. graphically represent a combination of resistors
 - c. graphically represent the voltage across elements in an AC circuit as a rotating vector
 - d. graphically represent the momentum in a circuit

5. B Commercial electric power is transmitted across long distances in the form of
 - a. high current, low voltage
 - b. high voltage, low current
 - c. high current and high voltage to maximize power
 - d. low current and low voltage to minimize power loss.