1. Chapter02-01
Electrostatics deals primarily with ____________.
   a. stationary magnetic fields
   *b. stationary electric fields
   c. moving electric fields
   d. moving magnetic fields
   e. gradient fields

2. Chapter02-02
What unit is used to measure electric charge?
   *a. Coulomb (C)
   b. Joule (J)
   c. Volt (V)
   d. Charge (I)
   e. Sievert (Sv)

3. Chapter02-03
When energy or mass is transferred between two objects without physical contact between the two objects, this is known as ____________.
   a. electrification
   *b. induction
   c. magnetization
   d. magnification
   e. insulation

4. Chapter02-04
Electrodynamics deals primarily with ____________.
5. Chapter02-05
Which law related to electricity describes the forces of attraction and repulsion between electric charges?

*a. Coulomb’s law
b. Gauss’s law
c. Newton’s law
d. Faraday’s law
e. Maxwell’s law

6. Chapter02-06
What causes heating in an electromagnet-type MRI scanner?

a. Induction
*b. Resistance
c. Volts
d. Faraday cage
e. X-rays

7. Chapter02-07
Rubber, glass, and plastic are types of _____________.

*a. insulators
b. semiconductors
c. conductors
d. superconductors
e. energy
8. Chapter02-08
Copper and aluminum are types of _____________.

a. insulators
b. semiconductors
*c. conductors
d. superconductors
e. energy

9. Chapter02-09
Which is an example of a ferromagnetic material?

*a. Iron
b. Aluminum
c. Copper
d. Platinum
e. Water

10. Chapter02-10
Which is an example of a paramagnetic material?

a. Nickel
b. Cobalt
*c. Gadolinium
d. Copper
e. Silver

11. Chapter02-11
Which is an example of a diamagnetic material?
12. Chapter02-12
If the south poles of two magnets were facing each other and brought together, the two would ______________, but if a north pole and a south pole were facing each other, the magnets would ______________.

a. attract; attract
b. attract; repel
*c. not interact; repel
d. repel; attract
e. repel; repel

13. Chapter02-13
The Tesla (T) is a ______________.

a. fancy car
b. measurement of magnetic field strength
*c. measurement of electric field strength
d. measurement of force from a magnetic field
e. measurement of force from an electric field

14. Chapter02-14
Electromagnetic radiation associated with MRI has frequencies of approximately ______________.
15. Chapter02-15
MRI machines operate with the use of large ________________.

a. amounts of ionizing radiation
*b. magnetic fields
  c. amounts of light
d. amounts of mechanical waves
e. gravitational energy