Question 1
Which of the following is NOT a type of switch?
   a. linear
   b. single pole
   c. rotary
   d. dimmer

Question 2
Increasing the voltage in a circuit will produce which of the following results?
   a. the current will increase
   b. the current will decrease
   c. the resistance will increase
   d. the resistance will decrease

Question 3
The two most commonly used metals in solder are ________.
   a. tin and lead
   b. tin and aluminum
   c. gold and tin
   d. silver and gold

Question 4
Current that changes polarity many times per second is called
   a. direct current
   b. alternating current
   c. AC/DC current
   d. reverse-polarity current

Question 5
Which of the following would make a poor insulator?
   a. gold
   b. wood
   c. glass
   d. rubber

Question 6
A 480-volt circuit has a resistance of 24 ohms. How much current is flowing?
   a. 0.05 amperes
   b. 20 amperes
   c. 48 amperes
   d. can't tell from the information provided

Question 7
Which of the following is not necessary to make an electric circuit?
   a. a switch
   b. a closed path
   c. resistance
   d. a voltage source

Question 8
A lead-acid storage battery presents an explosion hazard if you
   a. undercharge it.
   b. add too much water.
   c. add too little water.
   d. get a spark near it
Question 9
At 120 volts, a 15-ampere circuit will carry _______ power than a 20-ampere circuit.
   a. more
   b. less
   c. first less, then more
   d. first more, then less

Question 10
How much power is being carried in a 120-volt circuit when the current is 12 amps?
   a. 10 watts
   b. 240 watts
   c. 1,200 watts
   d. 1,440 watts

Question 11
Copper is used in most electric wires because it is
   a. a semiconductor
   b. not likely to heat up during normal usage
   c. a good resistor and inexpensive
   d. a good conductor and inexpensive

Question 12
If you want electrical current to flow in only one direction you should use ________
   a. a diode
   b. a capacitor
   c. a resistor
   d. a transformer

Question 13
Protons have a ________ charge.
   a. positive
   b. negative
   c. neutral
   d. alternating

Question 14
If a third light bulb is added to a circuit that already includes two light bulbs, which of the following will occur?
   a. The current draw will increase.
   b. The current draw will decrease.
   c. Both A and B
   d. Neither A nor B

Question 15
Alternating voltage typically used in the United States has a frequency of ________
   a. 60 Hz
   b. 110 Hz
   c. 120 Hz
   d. 80 Hz

Question 16
A static charge ________
   a. does not move
   b. does not carry electricity
   c. does move
   d. carries electricity from an electron to a proton
Question 17
If the resistance of a circuit is 0, the circuit is
a. an open circuit
b. a short circuit
c. a superconductor circuit
d. a semiconductor circuit

Question 18
If a 120-volt light bulb is rated for 60 watts, what is the bulb's rated current?
a. 0.5 amps
b. 5 amps
c. 720 amps
d. 50 amps

Question 19
An electric current is made of moving
a. ohms
b. neutrons
c. protons
d. electrons

Question 20
A material with high resistance is classified as a(an) __________.
a. insulator
b. conductor
c. semiconductor
d. resistor
ANSWERS: ASVAB Practice Test – Electronics Information

1. A
2. A
3. A
4. B
5. A
6. B
7. A
8. D
9. B
10. D
11. D
12. A
13. A
14. A
15. A
16. A
17. B
18. A
19. D
20. A