Assignment Week 03

1) What does a rectifier do?

- Changes direct current into alternating current.
- Changes alternating current into direct current.
- Reduces voltage.
- None of these

**Accepted Answers:**

Changes alternating current into direct current.

2) What type of instrument is used for measuring very high values of resistance?

- Megohmmeter.
- Shunt-type ohmmeter.
- Multimeter.
- None of these

**Accepted Answers:**

Megohmmeter.

3) Electric circuits are protected from overheating by means of

- thermocouples.
- shunts.
- fuses.
- None of these

**Accepted Answers:**

fuses.

4) A circuit breaker is installed in an aircraft electrical system primarily to protect the

- circuit and should be located as close to the source as possible.
- circuit and should be located as close to the unit as possible.
- electrical unit in the circuit and should be located as close to the source as possible.
- none of these
5) In the American Wire Gauge (AWG) system of numbers used to designate electrical wire sizes, the number assigned to a size is related to its

- combined resistance and current-carrying capacity.
- current-carrying capacity.
- cross-sectional area.
- None of these

6) What is the color and orientation of the position lights for navigation on civil airplanes?

- Left side - green, right side - red, rear aft - white.
- Left side - red, right side - green, rear aft - white.
- Left side - white, right side - green, rear aft - red.
- None of these

7) How should a voltmeter be connected?

- In series with the source.
- In parallel with the load.
- In series with the load.
- None of these

8) Which of the following is most likely to cause thermal runaway in a nickel-cadmium battery?

- A high internal resistance condition.
- Combination of high battery temperature and overcharging.
- Constant current charging of the battery to more than 100 percent of its capacity.
- None of these

9) What is the advantage of a circuit breaker when compared to a fuse?

- Never needs replacing.
- Always eliminates the need of a switch.
- Resettable and reusable.
- None of these

Accepted Answers:

- *Resettable and reusable.*
10) An aircraft electrical circuit control relay is

- an electronically operated switch.
- a device which converts electrical energy to kinetic energy.
- any conductor which receives electrical energy and passes it on with little or no resistance.
- None of these

**Accepted Answers:**

*an electronically operated switch.*