Listed below are a number of items and subjects which make up the mechanic certification test identified above. An individual’s ability to pass the certification test will depend upon the amount of knowledge the person has concerning these items.

**OHMS Law & Electrical Symbol Recognition - 14%**
- Ohmmeter symbol
- Splice symbol
- Resistor symbol
- Switch symbol
- Solenoid symbol
- Circuit breaker symbol
- Variable resistor symbol
- Lamp symbol
- Diode symbol
- LED symbol

**Test Methods/Meter & Equipment Usage - 11%**
- Ohmmeter usage
- Voltmeter usage
- Ammeter usage

**Starting System Diagnosis - 20%**
- Capacity/load testing
- Starter armature testing
- Starter current draw
- Starter relay diagnosis
- Voltage drop tests
- Circuit resistance test
- Battery test
- Starter drive diagnosis

**Charging System Diagnosis - 5%**
- R & R battery properly
- Alternator output testing

**Miscellaneous Circuit Diagnosis - 32%**
- Short to ground
- Regulator diagnosis
- Blower motor circuit diagnosis
- Horn circuit diagnosis
- Turn signal circuit
- Dimmer switch diagnosis
- Tail lamp circuit
- Dashlight circuit
- Windshield washer pump circuit
- Cooling fan circuit
- Oil pressure light circuit

**General - 18%**
- Measuring current flow
- Voltage drop
- Parallel circuit diagnosis
- Junction block replacement
- E.S.D. (Electrostatic Discharge)
- S.I.R. (Supplemental Inflatable Restraint)
- Precautions

**SAMPLE QUESTION:**
The maximum allowable voltage drop across the ground circuit of the starter system is:

- A. .2 volt.
- B. .7 volt.
- C. 1/2 volt.
- D. 1 volt.

**ANSWER:** A