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.

**Alignment Diagnosis - 34%**
- “Toe” adjustment procedures
- Caster adjustment procedures for various suspension systems
- Camber understanding
- Camber adjusting procedures for various suspension systems
- Total alignment procedures
- Caster understanding
- Strut suspension alignments

**Driveability Diagnosis - 16%**
- Pulling diagnosis
- Road crown compensation
- Wandering or darting diagnosis
- Shimmy & bounce diagnosis
- Steering wheel centering

**Tire Wear Diagnosis - 10%**
- Tire wearing angles
- Inside tread wear only
- Cupping
- Feathered outside edge wear
- Wear on both inside & outside of tire

**Miscellaneous - 4%**
- Brake rotor R & R precautions
- Wheel bearing adjustment

**Suspension Diagnosis - 18%**
- Ball joint diagnosis
- Measuring curb height
- Torsion bar remove & replace
- Ball joint remove & replace procedure
- MacPherson suspensions
- Automatic leveling systems

**Steering Diagnosis - 18%**
- Rack & pinion diagnosis Power assist diagnosis
- Tie rod end diagnosis
- Steering gear adjustment
- Steering linkage diagnosis
- Power steering system bleeding

**SAMPLE QUESTION:**
A car has excessive lean on turns (body roll). This could be caused by:

A. Bad shocks.

B. Worn sway bar bushings.

C. Weak springs.

D. All of the above.

**ANSWER:** D