

Chapter 5 – Quiz Answers

Circle the letter of the one correct answer in each of the following statements.

1. **When examining a scale equipped with an electronic digital indicator but with a backup weighbeam:**
 - a. ask the owner or operator how the scale is used; and if the weighbeam is used primarily as a backup element (in case of power failure), ignore the weighbeam.
 - b. if the weighbeam is used as a backup element (in case of power failure), test both systems independently as though inspecting two separate scales.
2. **During the course of a scale test, you should check repeatability of and agreement between test results:**
 - a. only if you suspect a problem.
 - b. if you don't like the way the scale has been maintained.
 - c. throughout the course of the test.
3. **Zero-load balance of the scales should be tested as follows:**
 - a. whenever all the test load is removed.
 - b. only at the start of the test and at the end of the test.
 - c. if consistently unstable indications are obtained.
4. **Tickets should be printed:**
 - a. whenever a new test load is applied to the scale.
 - b. only when the scale is out-of-tolerance – use the ticket printer as proof of the scale error.
 - c. only when the owner or operator asks for proof of a particular scale reading.
5. **A Discrimination Test is performed on scales with electronic digital indicators because:**
 - a. that is a way of determining if there is a problem with the zone of uncertainty.
 - b. scales are most likely to have errors at zero and capacity – the load conditions under which the Discrimination Test is conducted.