

Equipment and Calibration Quiz-Answer Key

Passing score = 80% [Answers in RED]

Select the correct answer.

1. T F Calibration is the comparison of two measurement devices or systems (one of known uncertainty (your standard) and one of unknown uncertainty (your test equipment)). (Answer: T)
2. T F Traceability is the property of a measurement result whereby the result can be related to a reference through a documented unbroken chain of calibrations, each contributing to the measurement uncertainty. (Answer: T)
3. T F Electronic calculations and data transfers are not subject to appropriate checks in a systematic manner. (Answer: F)
4. T F Commercial software (e.g., word processing, database, statistical programming) is considered sufficiently validated. (Answer: T)
5. T F Only certain measurement and testing equipment have a significant effect on the validity and accuracy of test results. (Answer: F)
6. T F Equipment sent out of the laboratory for calibration is ready to go when received back in the laboratory. (Answer: F)
7. There need to be defined procedures and schedules for carrying out checks needed to maintain confidence in the calibration status of: (Answer: D)
 - A. Reference standards
 - B. Primary, working, and transfer standards
 - C. Reference materials
 - D. A, B & C
8. The following support equipment requires calibration except (Answer: C)
 - A. Incubators
 - B. Waterbaths
 - C. Stir plates
 - D. Thermometers
9. Equipment that has been mishandled, gives suspect results, is defective, or gives suspect results shall be: (Answer: D)
 - A. Taken out of service
 - B. Clearly marked as being out of service
 - C. Decommissioned and discarded immediately
 - D. A & B only
10. All the following are correct regarding calibrated equipment except: (Answer: D)
 - A. Can be labelled to indicate calibration status
 - B. Can be coded to indicated calibration status
 - C. Can be otherwise identified to indicate the status of the calibration
 - D. All equipment in the laboratory is assumed to be calibrated so no action or labelling is required