

Applicant Name: _____

**Delaware Department of Agriculture
Weights and Measures**

Examination for Registered Fuel Dispenser Technicians

1. The Delaware Weights and Measures Act is Delaware Code Title 6 Chapter _____.
2. The Act gives weights and measures officials authority over the following equipment:
 1. Devices used solely by a manufacturer for its own purposes
 2. Devices used in the buying and/or selling of a product
 3. Devices used only in fueling a fleet of company trucks and cars.
3. The test measures used by technicians are required to be certified by an accredited NIST laboratory:
 1. As often as determined by the Department of Agriculture
 2. Every two years
 3. Every year
 4. Every three years
4. Following an inspection and test, the weights and measures inspector has the authority to take the following official action:
 1. Approve
 2. Reject
 3. Condemn and seize for evidence
 4. All of the above
5. A registered service technician has the authority to:
 1. Remove from a device an official weights and measures seal or tag
 2. Take a device out of service when it is found to be out of tolerance
 3. Place a device into commercial service following corrective service
 4. All of the above
6. The normal test of a liquid measuring device shall be made at the _____ discharge flow rate as developed under the conditions of the installation.
7. A registered service technician should have a current year Handbook _____.
8. The General Code of Handbook 44 applies to all commercial devices. Paragraphs in The General Code begin with the letter _____. Paragraphs in the code for gas pumps begin with _____, _____, _____, and _____.

9. Handbook 44 paragraphs are Retroactive or Non-retroactive. In G-S.1., subparagraphs (a) and (b) are _____. Subparagraphs (c), (d), (e), and (f) are _____.
10. All commercial devices must be marked with the name, initials or trademark of the (a) manufacturer and (b) the model designation.
 1. True
 2. False
11. Dispensers at a service station are in error favorable to the owner/operator (test measure readings are minus). They are considered to be improperly maintained according to Paragraph G-UR_____.
12. Paragraph _____ G-UR _____ states that, Whenever equipment is adjusted, the adjustments shall bring performance errors as close as practicable to _____.
13. Tolerances applied to devices being placed into service for the first time, being officially tested for the first time, after calibration, and following major service or overhaul is _____ tolerance.
14. Tolerances applied to devices in service more than 30 days is: _____ tolerance.
15. The requirement for the repeatability tolerance is _____ percent of the absolute value of maintenance tolerance.
16. The acceptance tolerance for a 5-gallon normal test or special test is _____ cu. in.
17. The maintenance tolerance for a 10-gallon test is _____ cu. in.
18. A reinforced discharge hose is required for retail fuel dispensers.
 1. True
 2. False
19. In the event of a power loss, the information (dollars, gallons) indicated shall be retained at the dispenser or console for:
 1. 15 minutes
 2. 5 minutes
 3. Not required to be retained
20. An effective _____, shall be provided to prevent the draining of the discharge hose between deliveries by the dispenser.

21. For an accurate reading, the test measure must be level. Does a technician read the top or bottom surface of the meniscus? _____.

22. Retail dispensers and all attachments (e.g. hoses, hose retractors, nozzles, displays, couplings, impact/fire valves, wiring, etc.) shall be maintained in proper operating condition throughout the term of service.

(Paragraph _____ G-UR _____)

23. If provisions have been made for sealing (a physical seal), the device shall be sealed. Where is this referenced in Handbook 44?

(Paragraph _____ G-UR _____)

24. All Indications shall be of such character that they will not become illegible.

(Paragraph _____ G - _____)

25. All Weights & Measures elements shall be so constructed, assembled, and installed so as not to facilitate fraud.

(Paragraph _____ G - _____)