

**Inspection & Testing of Water-Based Systems Certification****Level III Content Outline****Engineering Technician**

The candidates for NICET certification at Level III in Inspection & Testing of Water-Based Systems should have the knowledge, experience and basic skills needed to work in the industry. Working independently without supervision, they inspect, test, and maintain complex water-based systems. They are qualified to train and supervise lower-level technicians. They use a functional knowledge of all aspects of NFPA 25 and other applicable codes and regulations to advise owners, users, and AHJs of the results of ITM services. Level III technicians have at least 5 years of experience in water-based systems.

3.1 Deluge and Pre-Action Systems

(Questions related to these tasks make up 35-45% of the exam.)

3.1.1 Perform ITM tasks on deluge systems. 3

3.1.2 Perform ITM tasks on pre-action systems. 1, 3, 4

3.2 Foam Systems

(Questions related to these tasks make up 15-25% of the exam.)

3.2.1 Perform ITM tasks on foam systems. 2, 3

3.3 Water Mist and Water Spray Systems

(Questions related to these tasks make up 10-20% of the exam.)

3.3.1 Perform ITM tasks on water mist systems. 3

3.3.2 Perform ITM tasks on water spray systems. 1, 3

3.4 Pressure-Reducing Valves

(Questions related to these tasks make up 5-15% of the exam.)

3.4.1 Perform ITM tasks on pressure-reducing valves. 3

3.5 Obstruction Investigation and Prevention

(Questions related to these tasks make up 10-20% of the exam.)

3.5.1 Conduct obstruction investigations. 3

December 1, 2019

footnote number is linked to a reference on the Selected General References listing