

**NTC Black Book**  
**Inspection and Testing of Water-Based Systems**  
**Answer Key**

*NFPA 25 references are for 2011 Edition*

**Level I**

**Task 1.1.1**

Question	Answer	Reference
1	C	NFPA 25-3.5.1, pg 9
2	D	NFPA 25- 13.4.4.1.2.3, pg 51
3	B	NFPA 25-13.3.1.2.1, pg 47
4	D	NFPA 25-3.6.3, pg 9
5	D	NFPA 25-3.3.23, pg 7

**Task 1.1.2**

Question	Answer	Reference
1	C	NFPA 25-5.2.1.1.2, pg 13
2	D	NFPA 25-5.2.3.3, pg 13
3	B	NFPA 25-13.2.7.2, pg 47
4	D	NFPA 25-5.2.4.3, pg 13
5	D	NFPA 25-5.2.1.1.7, pg 13

**Task 1.1.3**

Question	Answer	Reference
1	C	NFPA 25-3.5.5, pg 9
2	D	NFPA 25-13.3.1.5, pg 47
3	C	NFPA 25-13.3.3.3, pg 49
4	B	NFPA 25-13.2.5.2, pg 47
5	B	NFPA 25-13.2.7.3, pg 47

**Task 1.1.4**

Question	Answer	Reference
1	A	NFPA 25-4.1.8.1, pg 11
2	D	NFPA 25-4.1.8.2, pg 11
3	C	NFPA 25-5.2.6, pg 13
4	D	NFPA 25-4.1.8.1, pg 11
5	D	NFPA 25-5.2.8, pg 13

**Task 1.2.1**

Question	Answer	Reference
1	A	NFPA 25-A.5.3.1.1, pg 70
2	D	NFPA 25-5.3.3.3, pg 14
3	A	NFPA 25-5.3.4, pg 14
4	B	NFPA 25-5.4.1.7.1, pg 16
5	A	NFPA 25-A.13.5.2.2, pg 86

**Task 1.3.1**

Question	Answer	Reference
1	C	NFPA 25-3.3.30.10, pg 8
2	B	NFPA 25-3.3.32.1, pg 9
3	A	NFPA 25-4.8.2, pg 11
4	D	NFPA 25-14.4.2, pg 56
5	E	NFPA 25-14.3.2.2, pg 56

**Task 1.3.2**

Question	Answer	Reference
1	C	NFPA 25-4.1.9.1, pg 11
2	B	NFPA 25-13.3.1.4, pg 47
3	C	NFPA 25-13.5.2.2, pg 52
4	B	NFPA 25-13.2.5.1, pg 47
5	C	NFPA 25-5.1.6, pg 13

**Task 1.4.1**

Question	Answer	Reference
1	A	OSHA 29 CFR 1910
2	A	OSHA 29 CFR 1910
3	A	OSHA 29 CFR 1910
4	A	OSHA 29 CFR 1910
5	B	OSHA 29 CFR 1910

**Task 1.4.2**

Question	Answer	Reference
1	D	OSHA 29 CFR 1910
2	C	OSHA 29 CFR 1910
3	D	OSHA 29 CFR 1910
4	B	OSHA 29 CFR 1910
5	D	OSHA 29 CFR 1910

**Task 1.4.3**

Question	Answer	Reference
1	A	OSHA 29 CFR 1910
2	D	OSHA 29 CFR 1910
3	C	OSHA 29 CFR 1910
4	B	OSHA 29 CFR 1910
5	D	OSHA 29 CFR 1910

**Task 1.5.1**

Question	Answer	Reference
1	B	NFPA 25-5.4.1.1.2, pg 14
2	B	NFPA 25-5.4.3, pg 16
3	A	NFPA 25-4.5.4, pg 11
4	C	NFPA 25-5.3.4.3.1, pg 14
5	D	NFPA 25-4.3.3, pg 11

**Task 1.5.2**

Question	Answer	Reference
1	B	NFPA 25-5.4.1.7.1, pg 16
2	C	NFPA 25-3.3.16.2, pg 7
3	C	NFPA 25-5.4.1.6.1, pg 15
4	D	NFPA 25-5.2.1.1.6, pg 13, A.5.2.1.1.6, pg 69
5	A	NFPA 25-5.4.1.1.1, pg 14

**Level II****Task 2.1.1**

Question	Answer	Reference
1	C	NFPA 25-5.2.1.1, pg 13
2	C	NFPA 25-5.2.1.1.2, pg 13
3	D	NFPA 25-Table 5.1.1.2, pg 12
4	B	NFPA 25-Table 5.1.1.2, pg 12
5	D	NFPA 25-Table 5.1.1.2, pg 12

**Task 2.1.2**

Question	Answer	Reference
1	A	NFPA 25-Table 8.1.2, pg 24
2	A	NFPA 25-Table 8.1.2, pg 24
3	D	NFPA 25-Table A.8.2.2, pg 75
4	D	NFPA 25-Table 8.1.2, pg 24
5	C	NFPA 25-8.4.1, pg 28

**Task 2.1.3**

Question	Answer	Reference
1	C	NFPA 25-Table 9.1.1.2, PG 30
2	B	NFPA 25-Table 9.1.1.2, PG 30
3	A	NFPA 25-9.5.1.1, pg 32
4	D	NFPA 25-9.2.5.4, pg 31
5	D	NFPA 25-A.9.2.5.1, pg 78

**Task 2.1.4**

Question	Answer	Reference
1	D	NFPA 25-Table 6.1.1.2, pg 17
2	B	NFPA 25-6.2.2.1, pg 19
3	A	NFPA 25-Table 13.1.1.2, pg 48
4	D	NFPA 25-Table 13.1.1.2, pg 48
5	C	NFPA 25-A.6.2.3, pg 72

**Task 2.1.5**

Question	Answer	Reference
1	D	NFPA 25-7.2.2.4, pg 21
2	C	NFPA 25-E.1, pg 101
3	C	NFPA 25-7.2.2.6, pg 22
4	C	NFPA 25-7.2.2.3, pg 21
5	B	NFPA 25-7.2.2.7, pg 22

**Task 2.1.6**

Question	Answer	Reference
1	D	NFPA 25-14.2.1.4, pg 56
2	C	NFPA 25-14.2.1, pg 56
3	A	NFPA 25-A.14.2.1.3, pg 87
4	C	NFPA 25-14.2.1.5, pg 56
5	B	NFPA 25-A.14.2.2, pg 89

**Task 2.1.7**

Question	Answer	Reference
1	C	NFPA 25-13.4.2.1, pg 49
2	A	NFPA 25-13.4.3.1.1.1, pg 49
3	A	NFPA 25-13.4.1.1, pg 49
4	B	NFPA 25-13.4.3.1.7, pg 50
5	C	NFPA 25-13.4.3.1.8, pg 50

**Task 2.1.8**

Question	Answer	Reference
1	C	NFPA 25-4.1.8, pg 11
2	C	NFPA 25-5.2.6, pg 13
3	D	NFPA 25-6.2.3, pg 16
4	A	NFPA 25-10.5.1, pg 37
5	A	NFPA 25-13.4.4.2.5, pg 51

**Task 2.2.1**

Question	Answer	Reference
1	C	NFPA 25-5.3.1.1.1, pg 13
2	C	NFPA 25-5.3.2.2, pg 14
3	A	NFPA 25-5.3.1.3.1, pg 14
4	A	NFPA 25-5.3.1.1.1.2, pg 14
5	A	NFPA 25-5.3.1.1.1.6, pg 14

**Task 2.2.2**

Question	Answer	Reference
1	D	NFPA 25-13.3.3.4, pg 49
2	D	NFPA 25-13.3.3.1, pg 47
3	B	NFPA 25-13.2.5, pg 47
4	B	NFPA 25-13.2.5.1, pg 47
5	C	NFPA 25-13.2.5.2, pg 47

**Task 2.2.3**

Question	Answer	Reference
1	D	NFPA 25-Table 13.1.1.2, pg 48
2	B	NFPA 25-A.13.3.3.2, pg 84
3	B	NFPA 25-13.3.3.5.2, pg 49
4	C	NFPA 25-Table 13.1.1.2, pg 48
5	D	NFPA 25-13.3.4.1, pg 49

**Task 2.2.4**

Question	Answer	Reference
1	B	NFPA 25-13.4.4.2.1, pg 51
2	B	NFPA 25-13.4.4.2.4, pg 51
3	B	NFPA 25-13.4.4.2.6, pg 51
4	A	NFPA 25-13.4.4.1.1, pg 51
5	D	NFPA 25-13.4.4.1.2.3, pg 51

**Task 2.2.5**

Question	Answer	Reference
1	C	NFPA 25-13.4.4.2.2.2, pg 51
2	A	NFPA 25-13.4.4.1.2.3, pg 51
3	A	NFPA 25-A.13.4.4.2.2.3, pg 86
4	C	NFPA 25-13.4.4.2.2.3, pg 51 (full open test year 3, 6, 9, partial year 1,2,4,5,7,8)
5	D	NFPA 25-A.13.4.4.2.2.3, pg 86

**Task 2.2.6**

Question	Answer	Reference
1	D	NFPA 25-13.4.4.2.5, pg 51
2	B	NFPA 25-13.4.4.2.4, pg 51
3	D	NFPA 25-13.4.4.2.3, pg 51
4	D	NFPA 25-A.13.4.4.2.2.2, pg 85
5	B	NFPA 25-13.4.4.2.2.2, pg 51

**Task 2.2.7**

Question	Answer	Reference
1	B	NFPA 25-5.3.3.1, pg 14
2	A	NFPA 25-Table 5.5.1, pg 16
3	D	NFPA 25-5.1.5, pg 13
4	A	NFPA 25-5.3.3.5, pg 14
5	D	NFPA 25-5.3.3.4, pg 14

**Task 2.2.8**

Question	Answer	Reference
1	C	NFPA 25-Table 13.1.1.2, pg 48
2	A	NFPA 25-13.3.3.5.2, pg 49
3	D	NFPA 25-13.3.3.5.3, pg 19
4	C	NFPA 25-Table 13.1.1.2, pg 48
5	B	NFPA 25-Table 13.8.1, pg 55

**Task 2.2.9**

Question	Answer	Reference
1	A	NFPA 25-Table 8.1.1.2, pg 25
2	A	NFPA 25-8.3.2.3, pg 26
3	A	NFPA 25-4.3.3, pg 11
4	A	NFPA 25-8.3.2.2, pg 26
5	B	NFPA 25-Table 8.1.1.2, pg 25

**Task 2.2.10**

Question	Answer	Reference
1	B	NFPA 25-Table 5.3.4.1(a), pg 15
2	B	NFPA 25-5.3.4.3.1, pg 14
3	A	NFPA 25-Table 5.3.4.1(b), pg 15
4	D	NFPA 25-5.3.4.3.2, pg 14
5	C	NFPA 25-5.3.4.1(b), pg 15

**Task 2.2.11**

Question	Answer	Reference
1	B	NFPA 25-14.3.1(14), pg 56
2	B	NFPA 25-D.2.1, pg 91
3	D	NFPA 25-Figure D.2.5(a), pg 92 (map title)
4	A	NFPA 25-D.2.7, pg 93
5	C	NFPA 25-D.2.4, pg 91

**Task 2.3.1**

Question	Answer	Reference
1	C	NFPA 25-4.3.5, pg 11
2	A	NFPA 25-Figure A.4.3.1. pg 67
3	B	NFPA 25-B.2, pg 88
4	D	NFPA 25-E.1, pg 101
5	A	NFPA 25-E.1, pg 99 & 13.2.5.2, pg 47

**Task 2.4.1**

Question	Answer	Reference
1	C	NFPA 25-4.8.2, pg 11
2	D	NFPA 25-A.4.8.6, pg 68
3	C	NFPA 25-4.8.3, pg 11
4	D	NFPA 25-A.4.8.5, pg 68
5	D	NFPA 25-4.1.8.1, pg 11

**Task 2.5.1**

Question	Answer	Reference
1	A	NFPA 25-15.2.2, pg 57
2	A	NFPA 25-Table 13.1.1.2, pg 48
3	C	NFPA 25-Table 7.1.1.2, pg 21
4	B	NFPA 25-9.1.1.2, pg 30
5	B	NFPA 25-A.13.4.4.2.2, pg 85

**Task 2.5.2**

Question	Answer	Reference
1	E	Sprinkler Equipment Reference Materials
2	B	Sprinkler Equipment Reference Materials
3	D	Sprinkler Equipment Reference Materials
4	C	Sprinkler Equipment Reference Materials
5	A	Sprinkler Equipment Reference Materials

**Task 2.5.3**

Question	Answer	Reference
1	C	NFPA 25-3.5.2, pg 9
2	E	NFPA 25-4.3.4, pg 11
3	B	NFPA 25-4.3.3, pg 11
4	B	NFPA 25-3.3.32.3, pg 9
5	D	NFPA 25-4.3.2, pg 9

**Task 2.5.4**

Question	Answer	Reference
1	C	NFPA 25-13.1.1.2, pg 48
2	C	NFPA 25-4.3.1, pg 11
3	B	NFPA 25-4.3.3, pg 11
4	A	NFPA 25-4.1.5, pg 10
5	D	NFPA 25-4.1.3.2, pg 10

**Task 2.5.5.**

Question	Answer	Reference
1	C	NFPA 72-3.3.2.66, pg 30
2	B	NFPA 72-17.16, pg 100
3	D	NFPA 72-14.2.3.1, pg 55
4	B	NFPA 72-17.16.2.2.2, pg 100
5	C	NFPA 72-17.12.2, pg 99

**Task 2.5.6**

Question	Answer	Reference
1	A	NFPA 25-15.3.2, pg 57
2	C	NFPA 25-15.5.1, pg 57
3	B	NFPA 25-15.6.1, pg 57
4	D	NFPA 25-15.5.2(4), pg 57
5	C	NFPA 25-5.4.3, pg 16

**Task 2.5.7**

Question	Answer	Reference
1	D	NFPA 25-15.6.3, pg 57
2	A	NFPA 25-4.1.4.1, pg 10
3	A	NFPA 25-A.4.1.4, pg 65
4	B	NFPA 25-Table E.1, pg 89
5	C	NFPA 25-Table E.1, pg 92

**Task 3.1.1**

Question	Answer	Reference
1	A	NFPA 25-5.2.4.4, pg 13
2	A	NFPA 25-13.4.3.1.1, pg 49
3	B	NFPA 25-13.4.3.1.6, pg 50
4	D	NFPA 25-Table 13.1.1.2, pg 48
5	C	NFPA 25-Table E.1, pg 106

**Task 3.1.2**

Question	Answer	Reference
1	C	NFPA 25-Table 10.1.1.2, pg 34
2	D	NFPA 25-A.10.2.5,pg 79
3	A	NFPA 25-Table E.1, pg 104
4	C	NFPA 25-10.2.5.3, pg 36
5	B	NFPA 25-10.2.5.3, pg 36

**Task 3.1.3**

Question	Answer	Reference
1	C	NFPA 25-9.2.5.1, pg 31
2	B	NFPA 25-9.2.5.5, pg 31
3	C	NFPA 25-9.2.5.4, pg 31
4	D	NFPA 25-9.2.5.2(3), pg 31
5	B	NFPA 25-9.4.6.2, pg 32

**Task 3.1.4**

Question	Answer	Reference
1	C	NFPA 25-9.2.6.2, pg 31
2	B	NFPA 25-9.2.6.7, pg 31
3	D	NFPA 25-9.2.6.5, pg 31
4	A	NFPA 25-9.2.6.1.1, pg 31
5	D	NFPA 25-9.2.7(6), pg 31

**Task 3.1.5**

Question	Answer	Reference
1	B	NFPA 25-5.2.4.4, pg 13
2	D	NFPA 25-13.4.3.2.5, pg 50
3	B	NFPA 25-13.4.4.1.2.4 pg 51
4	B	NFPA 25-Table E.1, pg 106
5	C	NFPA 25-14.4, pg 57



**Task 3.1.6**

Question	Answer	Reference
1	B	NFPA 25-11.2.5.1, pg 40
2	B	NFPA 25-A.11.2.5, pg 80
3	B	NFPA 25-10.4.5.2, pg 37
4	C	NFPA 25-12.2.10, pg 46
5	F	NFPA 25-12.2.11, pg 46

**Task 3.2.1**

Question	Answer	Reference
1	C	Basic Metering
2	A	Basic Metering
3	C	NFPA 25-8.3.3.1, pg 27
4	C	NFPA 25-Table 8.1.2, pg 25
5	D	NFPA 25-Table E.1, pg 102

**Task 3.2.2**

Question	Answer	Reference
1	B	NFPA 25-13.4.3.2.2, pg 50
2	B	NFPA 25-13.4.3.2.7.1 & 2, pg 50
3	D	NFPA 25-A.13.4.3.2.2, pg 85
4	D	NFPA 25-Table E.1, pg 107
5	D	NFPA 25-13.2.7.2, pg 47

**Task 3.2.3**

Question	Answer	Reference
1	C	NFPA 25-13.4.3.2.6(1), pg 50
2	B	NFPA 25-13.4.3.2.1, pg 50
3	D	NFPA 25-A.13.4.3.2.1, pg 85
4	B	NFPA 25-13.4.3.2.13, pg 51
5	D	NFPA 25-Table E.1, pg 107

**Task 3.2.4**

Question	Answer	Reference
1	B	NFPA 25-Table 10.1.1.2, pg 34
2	C	NFPA 25-13.6.2, pg 53
3	B	NFPA 25-10.3.4.1.1, pg 36
4	D	NFPA 25-Table E.1, pg 104
5	A	NFPA 25-10.4.5.2, pg 37

**Task 3.2.5**

Question	Answer	Reference
1	C	NFPA 25-Table E.1, pg 103
2	B	NFPA 25-9.3.3, pg 32
3	C	NFPA 25-9.3.5, pg 32
4	A	NFPA 25-9.3.4, pg 32
5	B	NFPA 25-9.3.6.2, pg 32

**Task 3.2.6**

Question	Answer	Reference
1	C	NFPA 25-Table 6.1.1.2,pg 17
2	C	NFPA 25-6.3.2.3, pg 19
3	B	NFPA 25-Table E.1, pg 100
4	D	NFPA 25-6.3.2.1,pg 19
5	A	NFPA 25-A.6.3.2.2, pg 72

**Task 3.2.7**

Question	Answer	Reference
1	B	NFPA 25-6.3,pg 19
2	D	NFPA 25-A.13.2.5, pg 84
3	D	NFPA 25-6.3.2.1.1, pg 19
4	D	NFPA 25-A.6.3.1.1, pg 72
5	C	NFPA 25-Table 6.1.1.2, pg 17

**Task 3.2.8**

Question	Answer	Reference
1	B	NFPA 25-Table 13.1.1.2, pg 49
2	A	NFPA 25-A.13.5.4.1(1), pg 86
3	D	NFPA 25-Table 13.1.1.2, pg 49
4	C	NFPA 25-13.5.1.3, pg 52
5	A	NFPA 25-13.5.4.2, pg 53

**Task 3.2.9**

Question	Answer	Reference
1	D	NFPA 25-7.3.2.2, pg 22
2	C	NFPA 25-7.3.2.5, pg 22
3	D	NFPA 25-7.3.3.2, pg 22
4	A	NFPA 25-7.3.2, pg 22
5	B	NFPA 25-Table 7.5.1, pg 23

**Task 3.2.10**

Question	Answer	Reference
1	D	Sprinkler Equipment Reference Manuals, and NFPA 291
2	D	NFPA 25-7.3.1, pg 22
3	B	Sprinkler Equipment Reference Manuals, and NFPA 291
4	B	NFPA 25-Table E.1, pg 101
5	C	NFPA 291, Figure 4.7.1

**Task 3.2.11**

Question	Answer	Reference
1	B	NFPA 25-13.6.2.1.1, pg 53
2	C	NFPA 25-13.6.2.1, pg 53
3	D	NFPA 25-13.6.2.1, pg 53
4	B	NFPA 25-13.6.2.1.2, pg 53
5	A	NFPA 25-13.6.2.1.4, pg 53

**Task 3.3.1**

Question	Answer	Reference
1	C	NFPA 25-A.4.4, pg 66
2	A	NFPA 25-A.4.4, pg 66
3	C	NFPA 25-A.1.2, pg 58
4	B	NFPA 25-A.3.3.4,pg 58
5	D	NFPA 25-A.3.2.2, pg 58

**Task 3.4.1**

Question	Answer	Reference
1	B	General Electrical Safety, and NFPA 70E
2	D	General Electrical Safety, and NFPA 70E
3	B	NFPA 25-A.4.8.6, pg 68
4	D	General Electrical Safety, and NFPA 70E
5	A	General Electrical Safety, and NFPA 70E

**Task 3.5.1**

Question	Answer	Reference
1	B	Sprinkler Equipment Reference Manuals
2	A	Sprinkler Equipment Reference Manuals
3	C	Sprinkler Equipment Reference Manuals
4	D	Sprinkler Equipment Reference Manuals
5	B	Sprinkler Equipment Reference Manuals

**Task 3.5.2**

Question	Answer	Reference
1	D	NFPA 25-Table 12.1.2, pg 44
2	A	NFPA 25-Table 8.1.2, pg 24
3	B	NFPA 25-10.3.4.1.1, pg 36
4	D	NFPA 25-5.2.2, pg 13
5	C	NFPA 25-13.7.1, pg 53