

2019 NTC Red Book Answer Key

NFPA 72	2016 - National Fire Alarm & Signaling Code
NFPA 70	2014 - National Electrical Code
NFPA 101	2015 - Life Safety Code
IBC	2015 - international Building Code
NTC	NTC Brown Book - Fire Alarm Systems Handbook

Addendum

Page	Item	Correction
77	References	Permitted References are NFPA 72, IBC, NFPA 101, <u>and NFPA 70</u>
103	References	Permitted References are NFPA 72, IBC, NFPA 70E, and NASCLA Book (Above change as of Feb 15, 2019 per NICET)
78	Q # 2	Office area is 100' x 250' (not 180' x 250')
86	Q #3	Add "SELECT THREE" to end of question (3 correct answers, not 1)

Fire Alarm Systems (FAS) Section

Fire Alarm Systems (FAS) - Level I

<u>Quiz #1</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	17.14.5
2	C	NFPA 70	250.52(A)(5)
3	B	NFPA 72	A.17.7.4.1
4	A	NFPA 72	18.5.5.1
5	C	NFPA 70	Table 314.16(A)
6	C	NFPA 72	18.4.8.1
7	B	NFPA 72	A.18.4.1.2
8	B	NFPA 72	17.6.3.1.3.1
9	A, C, D	-	OSHA 29 CFR 1910
10	D	NFPA 72	17.7.3.2.1

<u>Quiz #2</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A	NFPA 72	17.6.3.1.1(1)
2	B	NFPA 72	A.17.5.2
3	C	NFPA 70	Chapter 9, Table 8
4	A	NFPA 72	17.6.3.1.1
5	B, D	NFPA 70	760.154(A)
6	D	NFPA 72	17.7.3.2.3.1(1)
7	D	-	OSHA 29 CFR 1910
8	C	NFPA 72	17.7.3.3
9	D	-	OSHA 29 CFR 1910
10	D	NFPA 72	17.6.3.5.1

Fire Alarm Systems (FAS) - Level I

<u>Quiz #3</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 70	760.179(B)
2	A	-	OSHA 29 CFR 1910
3	C	NFPA 70	760.121(A)(1)
4	B, C, D	-	Fire aid book
5	B	NFPA 70	Annex C, Table C.1
6	A	NFPA 72	17.7.5.6.5.1
7	A	NFPA 70	342.30(A)(1)
8	D	NFPA 72	17.12.2
9	D	NFPA 70	344.30(B)(1)
10	D	NFPA 72	760.121(B)

<u>Quiz #4</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	Table 14.4.3.2(17)(g)(1)
2	D	-	First aid book
3	A	NFPA 72	Table 14.4.3.2(17)(g)(3)
4	C	-	First aid book
5	B	NFPA 72	Table 14.3.1(9)(d)
6	D	NFPA 70	760.130(3)
7	C	NFPA 72	Table 14.4.3.2(17)(d)(3)
8	C	NFPA 70	760.135(B)
9	C	NFPA 72	Table 14.4.3.2(9)(c)(2)
10	A, B	NFPA 72	Table 14.4.3.2(22)(a)

<u>Quiz #5</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	18.4.3
2	A, B	-	First aid book
3	B	NFPA 72	18.5.3.1
4	C	-	OSHA 29 CFR 1910
5	D	NFPA 72	Table 14.4.3.2(9)(c)(2)
6	D	NFPA 70	344.28
7	A, C, D	NFPA 70	760.130(B)(I)
8	B	NFPA 70	760.154(A)
9	D	NFPA 72	17.6.2.3
10	D	NFPA 72	2.2

<u>Quiz #6</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	B	NTC	NTC Brown Book, page 447
2	D	NFPA 72	12.6.1
3	D	NTC	NTC Brown Book, page 458
4	B	NFPA 72	12.3.2
5	D	NFPA 70	358.30(A)
6	D	NFPA 72	10.17.5.1
7	A	NTC	NTC Brown Book, page 458
8	D	NFPA 72	10.3.5(1)
9	B	NFPA 70	760.43
10	D	-	Basic metering

Fire Alarm Systems (FAS) - Level I

Quiz #7	Answer	Code	Reference
1	C, D	NFPA 72	7.5.3
2	A	NFPA 72	Figure 7.8.2(a)
3	D	-	OSHA 29 CFR 1910
4	C	NFPA 72	Figure 7.8.2(a)
5	D	NFPA 72	Figure 7.8.2(a)
6	B	NFPA 70	250.122
7	B	NFPA 70	344.26
8	C	NFPA 72	Figure 7.8.2(f)
9	B	-	OSHA 29 CFR 1910
10	A	NFPA 72	Figure 7.8.2(a)

Quiz #8	Answer	Code	Reference
1	B	NFPA 72	14.2.10
2	B	NFPA 72	Figure 7.8.2(g)
3	C	-	Basic metering
4	B	NFPA 72	Figure 7.8.2(g)
5	B	NFPA 70	210.24
6	A, D	NFPA 72	Figure 7.8.2(h)
7	D	NFPA 70	Table 310.15(B)(16)
8	C	NFPA 72	Figure 7.8.2(g)
9	D	NFPA 72	14.4.4.3.3
10	C	NFPA 72	Table 14.4.3.2(17)(g)

Quiz #9	Answer	Code	Reference
1	B	NFPA 72	7.4.9
2	C	NTC	NTC Brown Book, page 442
3	A, C, D	NFPA 72	7.4.5(12)
4	B	NFPA 70	760.20 €
5	C	NFPA 72	7.4.7(3)
6	C	NFPA 72	7.5.5.1
7	C	NTC	NTC Brown Book, page 442
8	C	NFPA 70	760.24(A)
9	D	NFPA 72	7.4.2
10	D	NFPA 72	3.3.251

Quiz #10	Answer	Code	Reference
1	D	NFPA 72	10.6.7.2.1
2	A	NFPA 72	10.6.7.3.1(2)
3	B	-	OSHA 29 CFR 1910
4	C	-	OSHA 29 CFR 1910
5	A, B, D	NFPA 70	760.121(B)
6	A	NFPA 72	10.6.6.1
7	C	NFPA 72	10.6.3.2
8	C	NFPA 72	10.6.7.2.1.1
9	C	NFPA 70	760.127
10	C	NFPA 72	10.6.7.2.1.2

Fire Alarm Systems (FAS) - Level I

<u>Quiz #11</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A	NFPA 72	12.3.1
2	B	NTC	NTC Brown Book, page
3	C	NFPA 72	12.6.1
4	B	NFPA 72	12.3.2
5	B	NFPA 72	12.4.2
6	B	NFPA 70	Annex C
7	D	NTC	NTC Brown Book, page
8	A, C, D	NFPA 70	760.179
9	C	NFPA 72	12.3.4
10	A	NFPA 72	10.11.1

<u>Quiz #12</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A, B, D	NFPA 72	26.6.4.1.4
2	B	NFPA 72	A.26.6.3
3	B	-	OSHA 29 CFR 1910
4	D	NFPA 72	26.6.3.8
5	D	-	OSHA 29 CFR 1910
6	C	NFPA 72	26.6.4.1
7	B	NFPA 70	760.136(G)
8	B	NFPA 72	3.3.68
9	B	NFPA 70	760.24(B)
10	D	NFPA 72	26.6.3.3

Fire Alarm Systems (FAS) Level II

<u>Quiz #1</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A, C, D	NFPA 72	Table A.17.7.1.8
2	D	NFPA 72	26.4.6.6.1(2)
3	B	NFPA 72	21.4.2
4	C	NFPA 72	3.3.36.1
5	C	NFPA 72	17.7.3.2.3.1
6	A	NFPA 70	Chapter 9, Table 8
7	A	NFPA 72	23.8.1.2.1
8	C	NTC	NTC Brown Book, page 461
9	C	IBC	907.2.2.1
10	B	-	OSHA 29 CFR 1910

<u>Quiz #2</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	B	NFPA 72	12.3.8.1(3)
2	C, D	NFPA 72	24.3.13.4.1
3	C	IBC	Table 907.5.2.3.2
4	C	NFPA 70	Chapter 9, Table 8
5	A	NFPA 72	17.14.8.5
6	A, C, D	NFPA 70	Table 760.154(A)
7	A	NTC	NTC Brown Book, page 447
8	C	NFPA 70	Annex C, Table C.8
9	A	-	OSHA 29 CFR 1910
10	C	NFPA 70	760.25

<u>Quiz #3</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	Table 18.5.5.7.2
2	C	NFPA 72	18.5.5.5.5
3	D	NFPA 72	Table 17.6.3.5.1
4	B	NFPA 72	18.4.4.1
5	B	NFPA 72	Figure A.17.6.3.1.1(g)
6	A	NTC	NTC Brown Book, page 453
7	C	NFPA 72	23.8.5.6.2
8	A	-	OSHA 29 CFR 1910
9	A, B, D	NFPA 72	17.7.3.2.4.2(2)((b)(i))
10	D	IBC	907.2.6.2

Fire Alarm Systems (FAS) Level II

Quiz #4	Answer	Code	Reference
1	C	NFPA 72	21.3.5
2	D	NFPA 72	Table 18.5.5.4.1(a)
3	C	NTC	NTC Brown Book, page 140
4	B	NFPA 72	17.14.8.6
5	C	NTC	NTC Brown Book, page 454
6	C	NFPA 72	14.4.2.4(2)
7	B	NFPA 72	18.4.5.3(2)
8	C	NFPA 70	760.179(C)
9	B, C	-	OSHA 29 CFR 1910
10	D	IBC	907.2.4

Quiz #5	Answer	Code	Reference
1	D	NFPA 72	14.4.4.3.3
2	D	NFPA 72	26.6.3.3
3	A	NTC	NTC Brown Book, page 449
4	B	NFPA 70	760.24(B)
5	B	NFPA 72	Table 14.4.3.2(30)(f)
6	C	NFPA 72	Table 18.5.5.4.1(b)
7	B	-	OSHA 29 CFR 1910
8	B	NFPA 72	Table 14.4.3.2(17)(j)(1)
9	A, B, D	NFPA 72	Table 14.4.3.2(7)(g)(5)
10	A	IBC	907.4.2.5

Quiz #6	Answer	Code	Reference
1	C	NFPA 72	Table 17.6.2.1
2	B	NFPA 72	17.7.5.6.5.1(a)
3	C	NTC	NTC Brown Book, chapter 9
4	C	NFPA 72	18.4.3.1
5	C	IBC	907.2.3
6	C	NFPA 72	10.6.10.3.2
7	D	-	OSHA 29 CFR 1910
8	C	IBC	907.3.1
9	C	NTC	NTC Brown Book, page 461
10	D	NFPA 70	Table 314.16(A)

Quiz #7	Answer	Code	Reference
1	B	-	Contractor textbook
2	A	NFPA 72	7.5.9
3	B, C, D	NTC	NTC Brown Book, chapter 9
4	A	IBC	907.2.11.3(3)
5	A	NTC	NTC Brown Book, page 447
6	A	-	OSHA 29 CFR 1910
7	B, C, D	NFPA 72	7.7.2
8	C	NFPA 70	Chapter 9, Table 8
9	A	NFPA 72	18.5.5.5.3
10	B, C, D	NFPA 72	Contractor textbook

Fire Alarm Systems (FAS) Level II

Quiz #8	Answer	Code	Reference
1	D	NFPA 72	17.7.6.3.3.1
2	C	NFPA 72	7.4.5(14)
3	B, C, D	NFPA 70	760.154(A)
4	B	IBC	907.2.6.3
5	C	NTC	NTC Brown Book, page 461
6	D	NFPA 72	17.14.8.5
7	B	NFPA 72	23.8.5.5.2
8	A	NFPA 72	21.2.4
9	B	NFPA 70	Annex C, Table C.8
10	B	-	OSHA 29 CFR 1910

Quiz #9	Answer	Code	Reference
1	B	NFPA 72	21.4.1
2	D	-	Project management
3	A, B, D	NFPA 72	21.7.4, 21.7.4.1
4	B	NFPA 70	Table 314.16(A)
5	D	NFPA 72	17.7.3.2.3.1
6	C	NFPA 72	Table 18.5.5.4.1(b)
7	C	NFPA 72	23.8.1.1.2(3)(a)
8	D	NTC	NTC Brown Book, page 461
9	B	IBC	907.6.4
10	A	-	OSHA 29 CFR 1910

Quiz #10	Answer	Code	Reference
1	B	NTC	NTC Brown Book, page 442
2	A, C, D	NTC	NTC Brown Book, page 116
3	C	NFPA 72	3.3.85.1.3
4	D	NTC	NTC Brown Book, page 442
5	A	NFPA 70	760.121(B)
6	A, C, D	NFPA 72	7.8.2(a)
7	B	IBC	907.2
8	A	NTC	NTC Brown Book, page 442
9	B	-	Basic electronics
10	C	-	OSHA 29 CFR 1910

Quiz #11	Answer	Code	Reference
1	C	NTC	NTC Brown Book, page 457
2	A, C	NFPA 70	760.121(A)(1)
3	C	NFPA 72	3.2.7
4	C	NFPA 72	10.6.7.2.1.2
5	C	NFPA 72	10.6.7.2.1.1
6	B	NFPA 72	10.6.6.1
7	C	NTC	NTC Brown Book, page 303
8	A, B, D	-	OSHA 29 CFR 1910
9	A	IBC	907.2.2.1
10	C	-	(diagram)

Fire Alarm Systems (FAS) Level II

<u>Quiz #12</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A	NFPA 72	23.6.1
2	D	NFPA 72	23.8.5.5.2
3	B	NFPA 72	27.6.3.2.2.1(2)(e)
4	C	NFPA 72	Chapter 2
5	B	NFPA 72	Figure A.17.6.3.1.1(g)
6	B	NFPA 72	Figure 7.8.2(f)
7	A	NTC	NTC Brown Book, page 457
8	C	NFPA 70	760.138(G)
9	D	-	OSHA 29 CFR 1910
10	A	IBC	907.2.2(3)

Fire Alarm Systems (FAS) - Level III

<u>Quiz #1</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	Table A.17.7.1.8
2	D	NFPA 72	17.7.3.2.3.1
3	C	NFPA 72	17.7.3.2.4.2(3)(a)
4	A	NFPA 72	A.17.7.3.7
5	C	NPFA 70	760.179(G)
6	D	IBC	907.2.4
7	A	NPFA 101	20.3.4.3
8	B	-	Project management
9	D	-	Project management
10	D	-	(diagram)

<u>Quiz #2</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	B	NFPA 72	17.7.3.2.3.1
2	A, C, D	-	Project management
3	C	NFPA 70	Chapter 9, Table 8
4	C	IBC	907.2.1
5	A	NFPA 72	A.18.4.3
6	A	NFPA 101	12.3.4.3.3
7	B	NFPA 72	17.7.3.2.2.4(2)(b)
8	D	NFPA 72	24.3.13.8.1.1
9	B	NFPA 72	18.5.5.5
10	D	NFPA 72	23.8.5.4.5

<u>Quiz #3</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	18.5.5.4.1(b)
2	B	-	Project management
3	D	NFPA 72	Table 17.6.3.5.1
4	A	-	Project management
5	D	NFPA 72	14.4.1.1
6	B	NFPA 72	Table B.2.3.2.3.6
7	C	NFPA 72	10.19.2
8	A	NFPA 70	760.139(A)
9	B	IBC	907.2
10	A, B, D	NFPA 101	30.3.4.1.1

Fire Alarm Systems (FAS) - Level III

<u>Quiz #4</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	14.4.4.3.3.
2	A	NFPA 72	Table 14.4.3.2(d)(3)
3	A, C, D	-	Project management
4	C	NFPA 72	Table 14.4.3.2(27)(b)
5	B	-	Management textbook
6	C	NFPA 72	Table 14.4.3.2(18)(g)
7	D	NFPA 72	14.3.1(9)(d)
8	A	IBC	907.8
9	B	NFPA 70	Chapter 9, Table 8
10	D	NFPA 101	39.4.1

<u>Quiz #5</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	24.8.6
2	C	-	Project management
3	A, B, D	NFPA 72	21.3.13.3
4	B	-	Project management
5	D	NFPA 72	23.8.1.2.1.1(3)
6	D	NFPA 72	26.6.3.4(2)
7	C	NFPA 72	Table 14.4.3.2(30)(f)
8	B	NFPA 101	36.1.2.2.1(1)
9	B	NFPA 70	Chapter 9, Table 8
10	C	IBC	907.2.3

<u>Quiz #6</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	7.3.4.4
2	D	NFPA 72	18.5.5.6.1
3	C	-	Project management
4	C	NFPA 72	17.6.3.1.1.1(2)
5	A, C, D	-	Project management
6	A	NFPA 72	21.2.4
7	A	NFPA 72	Table 17.6.3.5.1
8	C	NFPA 70	501.10(A)(1)
9	A	NFPA 101	9.6.2.10.5
10	A	IBC	Table 907.5.2.3.2

<u>Quiz #7</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A, D	NFPA 72	Table 18.5.5.4.1(a)
2	B	-	$\$15,000 \times 1.2 = \$18,000$
3	B	NFPA 72	17.7.3.2.4.2(1)
4	B	NFPA 72	24.3.13.4.1
5	D	-	$\$15,000 / 0.80 = \$18,750$
6	A	NFPA 72	Figure A.17.6.3.1.1.1(g)
7	C	NTC	NTC Brown Book, page 457-461
8	C	NTC	NTC Brown Book, page 314
9	D	NFPA 101	28.3.4.4.4
10	B	IBC	907.2.12

Fire Alarm Systems (FAS) - Level III

Quiz #8	Answer	Code	Reference
1	C	NFPA 72	Table 17.6.3.5.1
2	A	NFPA 72	17.6.3.3.1.2
3	C	-	Project management
4	D	NFPA 72	17.7.5.6.5.1
5	B	-	Project management
6	B	NFPA 72	17.7.3.6.1
7	C	NFPA 72	17.16.1.2
8	B	NFPA 70	110.28
9	B, C, D	NFPA 101	14.3.4.1.2
10	D	IBC	907.2.8 and 907.2.9

Quiz #9	Answer	Code	Reference
1	A	NFPA 72	Table A.18.4.3
2	C	-	Project management
3	C	NFPA 72	17.6.3.4.2.1
4	C	-	Project management
5	B	NFPA 72	Table 17.7.6.3.3.2
6	A	NFPA 72	21.9
7	D	NFPA 72	3.3.266.4
8	A, B, D	NFPA 101	22.3.4.4.2.2
9	C	NFPA 70	Annex C, Table C.8
10	A	IBC	907.2.6.1(exception)

Quiz #10	Answer	Code	Reference
1	D	NFPA 72	3.3.66.12
2	C	NFPA 72	Table A.17.8.1
3	D	-	Project management
4	B	NFPA 72	23.8.5.4.5
5	C	-	Project management
6	D	NFPA 72	17.7.3.6.2
7	B	-	Project management
8	C	NFPA 70	760.142
9	C	NFPA 72	18.4.4.1
10	D	IBC	907.2.4

Quiz #11	Answer	Code	Reference
1	D	NFPA 72	17.6.3.5.2
2	A, C	-	Project management
3	A	NFPA 72	17.7.3.2.4.4(6)
4	A, D	-	Project management
5	B	NTC	NTC Brown Book, page 303
6	D	-	Project management
7	C	NFPA 72	Table B.2.3.2.3.6
8	D	IBC	305.1.1
9	B	IBC	907.2.6
10	D	NFPA 70	760.1

Fire Alarm Systems (FAS) - Level III

<u>Quiz #12</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A, C, D	NFPA 72	17.5.3.1.2
2	D	NFPA 72	A.17.7.6.2
3	A	-	Project management
4	C	NFPA 72	18.5.5.4.4
5	A, C	-	Project management
6	C	NFPA 72	17.6.3.3.1.2
7	A	NFPA 72	Table A.17.7.1.8
8	A	IBC	Chapter 2
9	C	NFPA 101	13.3.4.1.1
10	C	IBC	714.2

Fire Alarm Systems (FAS) - Level IV

<u>Quiz #1</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	10.4.4 (exception)
2	A, B, C	NFPA 72	17.4.2 and 18.3.4.2
3	C	NFPA 72	10.4.4
4	C	NFPA 72	A.10.18.5
5	A	IBC	907.2.2.1
6	B	IBC	308.4
7	E	NFPA 101	42.3.4.1.2
8	C	NFPA 72	17.5.1
9	C	IBC	907.5
10	D	NFPA 72	21.3.8

<u>Quiz #2</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	C	NFPA 72	10.12.2
2	C	-	Project management
3	B	-	Project management
4	C	NFPA 72	17.7.3.2.4.2(2)(a)
5	D	-	(training manual)
6	D	NFPA 72	Table 17.7.6.3.3.2
7	A, B, D	NFPA 101	9.6.3.5.4
8	D	NTC	NTC Brown Book, page
9	A	NFPA 101	20.3.4.2
10	D	IBC	907.2.6.3.3(3)

<u>Quiz #3</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	Table 18.5.5.4.1(a)
2	D	NFPA 72	Table A.10.11.4
3	C	-	Project management
4	A, B	NFPA 72	26.6.3.11.2
5	C	-	Project management
6	B	NFPA 72	A.17.7.5.5.2
7	D	-	(system owner's manual)
8	C	NFPA 101	13.3.4.3.2
9	A	NFPA 101	31.3.4.1.2
10	A	IBC	907.2.16

Fire Alarm Systems (FAS) - Level IV

<u>Quiz #4</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A	NFPA 72	Figure 7.8.2(a)(2)
2	A	NFPA 72	B.3.2.2
3	B	NFPA 72	17.4.7.3
4	B	NTC	NTC Brown Book, page 321
5	D	IBC	907.5.2.3.4
6	B	NFPA 72	18.4.8.1
7	C	-	(60 SD x \$175 = \$10,500)
8	A	NFPA 72	907.4.2.3
9	B	NFPA 70	Article 760
10	A, B, C	IBC & NFPA 101	IBC-907.2.3 and NFPA 101-16.3.4

<u>Quiz #5</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	B	NFPA 72	10.6.7.2.1.7
2	A	-	Project management
3	A	NFPA 72	10.6.4.1
4	A	IBC	202
5	B	NFPA 72	10.6.3.4
6	C	-	Project management
7	C	NFPA 72	10.6.5.4
8	A	IBC	907.5.2.3.2
9	A, B, D	NFPA 101	38.3.4.1
10	A	NFPA 101	30.3.4.1.2

<u>Quiz #6</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	A, B, D	NFPA 72	17.7.1.8
2	C	NFPA 72	18.4.7.2
3	D		Project management
4	C	NFPA 72	17.14.8.6
5	C	IBC	907.2
6	D	NFPA 72	10.13.6.1
7	A	-	(diagram)
8	B, C	NFPA 101	24.3.4.2.2
9	B	IBC	Table 508.4
10	A	-	(diagram)

<u>Quiz #7</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	17.5.2
2	C	-	(60 hrs x 200/hr = \$12,000, budget \$25,205 - 12,000 = 13,205)
3	A, B, D	NFPA 72	24.8.11
4	C	-	Project management
5	C	NFPA 72	17.7.3.2.4.2(a)
6	B	-	OSHA 29 CFR 1910
7	B	NFPA 72	17.7.3.2.3.1
8	C	NFPA 101	14.3.4.3
9	A, B, D	IBC	403.4
10	C	IBC	402.7

Fire Alarm Systems (FAS) - Level IV

<u>Quiz #8</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	23.8.5.6.2
2	D	NFPA 72	17.7.3.5.1
3	D	NFPA 72	26.6.4.1.4
4	D	NFPA 72	Table 18.5.5.7.2
5	B, C	NPFA 101	16.3.4.5
6	A	NFPA 101	9.6.2.10.5
7	C	IBC	907.5.2.3
8	D	NFPA 72	10.5.4.4
9	C	-	Management textbook
10	D	-	Management textbook

<u>Quiz #9</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	26.6.4.1.4(B)(3)
2	C	-	Project management
3	C	NFPA 72	26.6.4.1.3
4	B	-	Project management
5	A	NFPA 72	F.3.1
6	D	-	Project management
7	C	NFPA 72	12.3.2
8	B	NFPA 101	36.3.4.1
9	B	IBC	97.2.19
10	A	NFPA 101	7.2.3.10

<u>Quiz #10</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	C	NFPA 72	10.6.11.6
2	D	NFPA 72	17.7.3.2.3.1
3	B, D	-	Project management
4	A, C	NFPA 72	Table 18.5.5.4.1(a)
5	C	-	-
6	B	NFPA 72	(\$200 hr x 25% = \$50, \$50 x 2,000 hrs = \$100,000)
7	D	NFPA 72	26.4.6.6.4(4)
8	A	IBC	907.6.4.2
9	C	NFPA 101	38.3.4.1
10	B	NFPA 101	28.3.5.3

<u>Quiz #11</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	D	NFPA 72	A.21.4.2
2	A, C	IBC	907.3.2
3	C	NFPA 72	12.5.4
4	D	NFPA 72	18.5.3.2(exception)
5	D	NFPA 72	17.7.3.4
6	A	NFPA 101	40.3.4.1
7	D	IBC	907.2.11.3
8	C	-	(Sub (\$100/hr) - Steven (\$75/hr) = \$25, \$25 x 16 hrs = \$400)
9	A	-	-
10	C	-	(Robert (\$200/hr) x 8 hrs = \$1600)

Fire Alarm Systems (FAS) - Level IV

<u>Quiz #12</u>	<u>Answer</u>	<u>Code</u>	<u>Reference</u>
1	B	NFPA 72	26.3.8.3
2	D	NFPA 72	A.17.7.3.2.3.1
3	C	-	Project management
4	C	NFPA 72	B.2.2.1.1
5	B	-	Project management
6	B	NFPA 72	G.2.2.1(2)(a)
7	C	NFPA 72	Chapter 2
8	A	IBC	907.2(exception 2)
9	A, C	NFPA 101	42.3.4.1
10	D	IBC	907.2.5

Inspection and Testing of Fire Alarm Systems (ITF) Section

Referenced Code - NFPA 72 - National Fire Alarm and Signaling Code - 2013 Edition

<u>Quiz #1</u>	<u>Answer</u>	<u>Reference</u>
1	C	14.2.2.2.3, pg 75
2	A	3.3.63, pg 21
3	D	14.2.3, pg 76
4	C	Table 14.3.1, pg 77
5	A	Table 14.3.1, pg 77
6	C	14.3.3, pg 80
7	D	Table 14.4.3.1, pg 78
8	C	Table 14.3.1, pg 78
9	C	Table 14.3.1, pg 80
10	B	Table 14.3.1, pg 79

<u>Quiz #2</u>	<u>Answer</u>	<u>Reference</u>
1	D	Table 14.4.3.2, pg 81
2	C	14.2.8.2, pg 76
3	D	Table 14.4.3.2, pg 85
4	C	Table 14.4.3.2, pg 84
5	B	Table 14.4.3.2, pg 85
6	D	Table 14.4.3.2, pg 88
7	A	Table 14.4.3.2, pg 86
8	A	14.4.2.4(2), pg 80
9	C	14.4.4.3.3, pg 92
10	C	14.6.2.2, pg 94

<u>Quiz #3</u>	<u>Answer</u>	<u>Reference</u>
1	C	7.2.3, pg 33
2	A	Figure 7.8.2(f), pg 47
3	D	7.5.5.1, pg 35
4	B	7.5.6.6.3, pg 35
5	D	Figure 7.8.2(a), pg 37-38
6	C	Figure 7.8.2(g), pg 51
7	A	7.5.6.7.2, pg 36
8	B	7.7.1.3, pg 36
9	C	7.7.2.2, pg 36
10	C	7.7.2.3, pg 36

<u>Quiz #4</u>	<u>Answer</u>	<u>Reference</u>
1	A	10.3.1, pg 65
2	C	14.5.4, pg 93
3	C	A.17.14.7, pg 219
4	D	10.6.5.2.1, pg 66; ROC-pg 38, ITM-pg 48
5	D	18.4.8.1, pg 109
6	A	18.5.5.1, pg 109
7	C	10.6.7.2.1, pg 67
8	C	10.6.7.2.1, pg 67
9	A	3.3.269.3, pg 30
10	A	17.6.3.1.3.1, pg 96

<u>Quiz #5</u>	<u>Answer</u>	<u>Reference</u>
1	B	29.3.3, pg 138
2	A	3.3.12.3, pg 19
3	C	17.16.1, pg 105
4	B	3.3.57.1.4, pg 21
5	D	10.18.5.2, pg 72
6	B	23.8.5.5.2, pg 121
7	B	10.3.3, pg 65
8	D	7.5.3, pg 35
9	C	3.3.66.19, pg 22
10	C	18.5.5.4.6, pg 111

<u>Quiz #6</u>	<u>Answer</u>	<u>Reference</u>
1	D	17.7.3.2.3.1, pg 98
2	A	17.5.2, pg 95
3	D	17.7.3.2.4.(.), pg 98
4	B	21.7.4, pg 116
5	D	Table 17.7.6.3.3.2, pg 102
6	D	17.12.2, pg 105
7	A	17.14.8.3, pg 105
8	A	17.16.1.2, pg 105
9	B	10.21.4, pg 73
10	C	17.7.5.6.3, pg 100

<u>Quiz #7</u>	<u>Answer</u>	<u>Reference</u>
1	C	17.7.3.2.4.2(2)(a), pg 98
2	A	17.7.4.3, pg 100
3	A	17.7.5.6.6.1, pg 102
4	C	17.7.5.6.5.3(a), pg 101
5	D	17.7.6.3.4, pg 103
6	D	17.14.8.5, pg 105
7	D	23.8.5.6.2, pg 121
8	B	A.17.12.1, pg 219
9	D	17.14.8.6, pg 108
10	C	17.7.3.3, pg 99

<u>Quiz #8</u>	<u>Answer</u>	<u>Reference</u>
1	B	7.5.6.2, pg 35
2	B	14.4.7.1, pg 92
3	D	26.5.1., pg 143
4	B	A.17.7.5.4.2.2, pg 213
5	A	A.14.6.1.2, pg 201
6	B	21.3.5, pg 114
7	D	29.7.2 & 29.7.6.7, pg 165
8	D	21.4.3, pg 116
9	D	Table 18.5.5.4.1(b), pg 110
10	D	Table 17.6.3.5.1, pg 97

<u>Quiz #9</u>	<u>Answer</u>	<u>Reference</u>
1	B	18.4.7.5, pg 109
2	D	17.7.1.8, pg 97
3	D	17.7.3.2.3.1(1), pg 97
4	C	17.7.3.2.3.1(1), pg 97
5	C	3.3.80, pg 23
6	B	12.3.6, pg 74
7	D	23.8.2.7, pg 119
8	A	24.4.2.85.3, pg 127
9	C	21.2.4, pg 1163
10	D	24.5.1.6, pg 133

<u>Quiz #10</u>	<u>Answer</u>	<u>Reference</u>
1	A	17.14.5, pg 105
2	B	18.4.8.1, pg 109
3	A	10.6.7.2.1, pg 67
4	C	3.3.269.2, pg 30
5	B	A.3.3.66.18 pg 172
6	D	3.3.283.2, pg 31
7	D	A.17.7.1.8, pg 209
8	B	3.3.57.1.4, pg 21
9	C	17.7.3.2.4.(2)(b), pg 98
10	C	17.7.5.6.5.1(A), pg 101

<u>Quiz #11</u>	<u>Answer</u>	<u>Reference</u>
1	C	17.7.5.6.5.3(a), pg 101
2	D	Table 17.7.6.3.3.2, pg 102
3	A	17.14.8.4, pg 105
4	B	26.6.3.2.1.3, pg 46
5	B	17.7.3.2.4.2(4), pg 98
6	D	23.8.5.5.2, pg 121
7	A	29.8.5.6.2, pg 121
8	D	17.12.2, pg and 26.6.3.1.10, pg 145
9	B	17.16.1.2, pg 105
10	C	7.5.3(2), pg 35

<u>Quiz #12</u>	<u>Answer</u>	<u>Reference</u>
1	D	17.4.2, pg 94 & 18.3.4.2, pg 106
2	C	10.6.10.1, pg 68
3	C	18.4.4.1, pg 108
4	D	Table 14.4.3.2, pg 85
5	D	17.16.4.1, pg 111
6	B	Table 14.4.3.2, pg 83
7	C	17.7.4.3, pg 100
8	A	Table 14.4.3.2, pg 89
9	D	A.18.4.3.1, pg 222
10	C	Table 14.4.3.2 pg 88