

FIRE TECH TRIAL EXAM ANALYSIS

The Lieutenant's Trial Exam

MAY 11th, 2009

THE TRIAL EXAM

The Fire Tech Trial exam will contain the areas and the type of questions likely to be found on the actual exams. It affords students the opportunity to see just how well they are doing with their study program. More important, it particularly shows each candidate where he stands among his competitors.

Fire Tech's analysis of the test is probably the key element to the success of the Trial exam as a study and promotion tool. A major component of the test analysis is the relative standing of each student who takes the test. Our analysis will show the number of students who scored in each grade category. You will know whether your study program is working for you or if it needs to be modified. Another component of the analysis is the percentage of students who incorrectly answered each question. Since all the questions are analyzed, the candidate can see where he stands exactly on each topic questioned. This kind of tabulation will show the relative degree of difficulty for all the questions on the test.

When you examine how you did on the trial exam, you must factor many variables into this analysis:

- **How much time is left before your exam?**
- **How long have you been studying?**
- **How many hours per day do you study?**
- **Have you been through the books once, twice, three times...**
- **Did time management affect your performance?**
- **Were the topics all familiar to you?**
- **How did your competition do?**
- **What was your score in relation to other scores?**

But the most important question really is - where did you place. Remember, test scores will vary based on the difficulty of the test. Evaluate your performance not by your grade, but by your "location" - where you placed.

And more importantly, determine what now needs to be done. There is still plenty of time to step it up, but time passes quickly. So, evaluate your "location", come up with a plan to succeed and remember, the only "location" that really counts is where you end up on the real exam.

HIGH SCORERS**MAY 2009 FIRE TECH TRIAL EXAM**

LIEUTENANT CANDIDATES						
Daniel Barvels	97.5		Jason Anderson	87.5	Joseph Monferrato	83.75
Jarrood Garritano	96.25		Kevin Buthorn	87.5	Devon Maguire	83.75
Daniel Geary	96.25		Lawrence Keane	87.5	Henry Fellner	83.75
Jeffrey Smith	93.75		Joshua Smith	87.5	Greg Kenny	83.75
Thomas Tanzosh	93.75		Michael Stone	87.5	Darren Heal	82.5
James Amsterdam	92.5		Craig Cardi	87.5	Joseph Cavagnaro	82.5
Joseph Eddings	92.5		Sean Hourigan	87.5	Kevin Hearn	82.5
James Kivlan	91.25		Michael McWeeney	87.5	David Leverock	82.5
Victor Giordonnello	91.25		Tim Fitzgibbons	87.5	John Leverock	82.5
Bill Olson	91.25		Matthew Horning	86.25	Patrick O'Grady	82.5
Ryan Rockefeller	91.25		Ed Poli	86.25	Peter Ganci	82.5
Edward Buckley	90		Peter Bradley	86.25	Michael Kozo	82.5
Michael DeAnglelis	90		Edward Reardon	86.25	Daniel Kudlak	82.5
Thomas Flynn	90		Joseph Russo	86.25	Brian Lavan	82.5
James Osterman	90		Eric Knudsen	86.25	James McCormack	82.5
Justin Zarbo	90		Ritchie Antoine	86.25	Aaron Stock	82.5
Mark Berker	88.75		Peter Brennan	85	Adam Taylor	82.5
Sean Caine	88.75		Michael Newman	85	Evan Balcombe	82.5
Ronald Corsale	88.75		Andres Torres	85	William Coleman	82.5
Daniel DiMartino	88.75		Adam Wodzinski	85	David Gomez	82.5
Robert Meuser	88.75		Joseph Bert	85	John Cassidy	81.25
David Pace	88.75		Christopher Ganci	85	Brian Gomoka	81.25
Glenn Flanagan	88.75		John Henley	85	Michael Tesoriero	81.25
John M White	88.75		Robert Kehoe	85	Michael McGee	81.25
Matt Quinn	88.75		Carl Jost III	85	Daniel Durinick	81.25
Albert Altadonna	88.75		Michael Mulvihill	85	Andrew Holzmaier	81.25
John Amsterdam	88.75		Sean Schneider	85	Paul Lee	81.25
Chris Conlisk	88.75		Ray Coyle	83.75	Dan Schweiger	81.25
Kevin Rourke	88.75		Daniel Coleman	83.75	John Drumm	81.25
Matthew Borthwick	87.5		Peter Frank	83.75	Gerard O'Riordan	81.25
Tom Watson	87.5		Michael Noon	83.75	Frank A Portelle	81.25

TRIAL EXAM ANSWER KEY – MAY 2009

	ANSWER	% Wrong		ANSWER	% Wrong
1	C (FFP-Under River, 7.3)	48	41	C (Comm 9, Pg 9-6—9-10)	9
2	C (FFP Collapse, 7.1.1)	22	42	C (Ladders 1—Pg 19)	31
3	C (FFP Collapse Add 2, 4.1—4.6)	21	43	A (Ladders 2—5.11.2)	52
4	C (FFP PD's Chap 3—2.6, 2.7)	31	44	C (Comm 9, Add 1, 4.1—4.4)	35
5	C (Haz Mat 7—2.4.4)	24	45	A (Comm 10, App C)	28
6	C (AUC 149—6.5.7, 6.6.3)	18	46	B (Ladders 3—Pg 23)	10
7	B (FFP MD—5.1.1 F-1, 2)	19	47	B (TB Rope 4—6.14)	21
8	C (FFP MD—6.1.3 F, 6.1.6 B, 6.2.1 A, 6.6 D)	22	48	C (Haz Mat 4—4.1.5, 4.2.5, 4.4.3, 5.1.1)	37
9	C (TB Tools 9—5.7, 6.1.6, 6.1.8, 6.1.9)	17	49	B (ERP, Add 3—6)	73
10	C (TB Uncon FF 6.2, 6.3, Add 1—3.4, Add 2—2.1)	62	50	B (ERP, Add 4—Page 18)	57
11	B (FFP Brownstones—3.1 A)	23	51	B (Haz Mat 2—Page 1)	25
12	B (FFP Row Frames—10.3)	22	52	D (Eng Ops—4.6.2—4.6.4)	24
13	A (Ladders 2—6.7)	6	53	C, D (Eng Ops—9.3.3, 9.3.11, 9.4.3, 9.4.9)	0
14	C (Comm 8, Pg 8-9, 8-11)	27	54	B (AUC 306—Add 2—2.1.1)	21
15	A (FFP Vacants—2.2.1)	32	55	A (AUC 320—Add 1—3.1)	61
16	D (FFP Vacants—4.1.1 A)	34	56	B (FFP Private Dwellings Chap 4—4.3.2)	9
17	D (TB Foam—Evolution 1—2.2, 2.4)	30	57	C (Eng Ops—Chap. 12--4.1—4.4)	39
18	C (TB Forcible Entry 1—6.1C)	16	58	C (TB—Arson—5.3)	30
19	B (FFP Taxpayers—4.4.1 B, C, D, F)	68	59	C (TB—App P-3—10.1)	46
20	A (FFP Taxpayers—5.5.28 A-H)	50	60	C (TB—Elev 6.1.4 B)	71
21	B (AUC 207—Add 7—2.2)	23	61	D (AUC 268—2.1.5, 3.1)	58
22	C (AUC 259—5.2)	46	62	A (AUC 269—Add 1—3.3.1)	32
23	A (SB 7—2.1)	54	63	A (AUC 276—2.1, 4.2, 6.1)	34
24	A (AUC 207—Add 9—3.2)	15	64	C (FFP MD—3.3.29 A, B, C, 4.4.2 C)	35
25	C (FFP Taxpayers—7.3.5 C)	31	65	B (TB Emergencies 2—Pg 7-8)	36
26	B (FFP High Rise—4.2.2)	43	66	C (TB Emergencies 4—5.3, 5.4, 5.5)	12
27	C (Dunn—Chapter 12)	22	67	D (Ladders 3—Pgs 15-19)	21
28	B (Journal Guide—Pg 8)	29	68	A (Ladders 6—5.1.2, 5.1.4, 5.2.1)	41
29	D (Ladders 3—Pg 63)	42	69	D (ERP, Add 2—6.1)	23
30	A (Ladders 6—3.4.1)	42	70	A (Haz Mat 1—1.2, 2.4)	47
31	B (FFP High Rise—5.2.2, 6.2.1 C, D)	58	71	C (TB Rope 1—4.3, 4.7, 4.13, 4.14)	7
32	B (TB Rope 6—3.2, 3.4, 5.6, 8.2)	21	72	C (Haz Mat 5—5.1, 6.1, 8.1)	18
33	D (TB Fires 3—3.2—3.6)	24	73	D (TB Fires 8—6.5, 6.7E--3, 4, 7)	32
34	D (SB 56—4.2—4.4)	72	74	A (TB Management—Page 9)	36
35	B (ERP, Hazardous Materials—12.2)	43	75	A (CFR-D Chap 2—3.9.3, 3.10, 3.12, 3.14)	73
36	C (ERP, Add 1, Chap 1—5.2.2)	31	76	C (TB SCBA—7.2—7.5)	36
37	B (FFP High Rise—Pg 38-42)	32	77	C (FPM Chap 4—Add 1—Page 6)	53
38	B (Dunn—Chapter 8)	55	78	D (FPM Chap 4—Add 1—Pg 13)	30
39	A (Ladders 1—8.5.1)	19	79	C (Regs 12.1.7)	51
40	D (Comm 8, Pg 8-9, 8-12)	44	80	C (CFR-D Chap 2—6.2, 6.3, 6.4)	26

**The percentage wrong column indicates the percentage of students that incorrectly answered that question.*

The Lieutenant's Trial Answer Key indicates the sections of the FDNY books where the questions came from. Many questions contain answers that are self-explanatory once you look up the sections indicated in the Answer Key. It is important that you go to your books and highlight these areas as they are all highly likely test areas that you must know and will want to review before the real exam.

**25 QUESTIONS REQUIRE MORE EXPLANATION
AND ARE EXPLAINED AS NEEDED BELOW:**

- Q4** A—Side entrance cannot be used for the first line, B—High heat and serious fire preclude 1st line advance down interior stairs, C—Correct—The 1st officer is the IC and can order this in this situation, D—Only a Chief can reposition this line
- Q10** A—dragging yes, but no vertical lifts, B—horizontal drag only, C—correct, D—may be used to drag or hoist vertically
- Q14** Fire extended to building from manhole is Code 1—because fire started in transformer fault and no fire extended—it's a 10-25 Code 4, Victim is obviously a 10-37 Code 2, Because CO detector activated and there are 175ppm—it's a 10-38 Code 3
- Q19** A—Dense black smoke is a lack of oxygen, B—Correct, C—Cellar and storage areas are particularly vulnerable, D—only 25% of space to possibly explode
- Q20** Open web bar joist allows removal of skylights and scuttles on roof with no cutting permitted, but this roof had both open web steel joists and gypsum concrete roof. Gypsum concrete roof—means no roof operations at all
- Q22** Frequently asked—Reserve rig uses its Reserve number and acts like it's a relocater
- Q23** Burns can be a minor injury—provided they are minor burns—like a first degree burn, B—to be a minor—sprains must have NO swelling or discoloration, C—sutures is not minor, D—Fainting is never minor
- Q26** Floors 1-10—150 psi, 11-20—200 psi, 21-30—250 psi, 31-40—300 psi
- Q31** #4 was incorrect because the SAE Group units call the SAE Supervisor on the secondary tactical channel which is channel 3 on the HT. Channel 1—Primary Tactical, Channel 2—Command, Channel 3—2nd Tactical
- Q34** A—Allegation is an incident, B—Outrigger making contact is an incident, C—Damage found during routine inspection is incident, D—Minor accident, the number of kids does not matter - Major Accidents require significant damage or serious injuries
- Q38** A—If timber trusses are enclosed—covered with sheetrock for example—they will fail one at a time, B—Correct, C—When evacuating timber truss roof—evacuate perpendicular to trusses, D—1st line is placed behind truss next to the one involved—so if the involved one were to fall—you are in a safe area
- Q40** D—Car has plates—NOT an ADV—it's a 10-24, 10-41-3 is for unoccupied vehicle

- Q43** Two victims--one ambulatory & one is not ambulatory—the guideline is as follows:
Serious fire in front—time is critical—so most helpless (non-amb) victim removed first
Serious fire in rear—time is available—so ambulatory removed first
With serious fire in rear—A is the answer—mainly because of its location in the rear
- Q49** Tough question—but word for word from the book
- Q50** Basic question—must know this type of info
- Q53** Question had 2 correct answers - so everyone got credit. A—Discharge pressure is 100 psi plus 5 psi for each floor above ground - 175 psi , B - 3 ½” must supply standpipes, **BOTH C & D were correct**
- Q55** Asked on multiple tests—FAST Unit always REPORTS to IC at the ICP. In this situation at a High Rise—the IC would then ASSIGN the FAST UNIT to the Fire Sector. IF there were no Maydays to address on their arrival - that’s why they check with the IC
- Q57** A—water shutdown not required when adding to front of stretch, B—6 lengths of 1 ¾ stretched is maximum—cannot add any more 1 ¾, C—correct, D—this procedure is for 2 ½” hose only
- Q59** 5 lengths of 1 ¾ @ 20 lbs per length is 100 psi + 50 psi at nozzle + 5 psi for each floor above grade so 100 + 50 + 10=160 PSI
- Q60** Very tough question—constantly asked on every exam
Fire is on the 37th floor, Bank B is from 16-30, Bank C is from 30-45, Access stairs 36-37
-The first rule is if fire is on the 7th floor or below—use the stairs—not applicable here
-Second rule is IF a LOWER BANK (Bank B) reaches within 5 floors of the FIRE FLOOR (37)—then take the lower bank and walk—This is not the case—lower bank is 7 floors away---so you must take Bank C—this leads you to Choices C or D
3rd rule is if forced to take the bank with the fire floor—get off two floors below the fire floor OR LOWER LEVEL OF ACCESS STAIRS in the fire area—which is the case as the access stairs (36-37) go to the fire floor---SO take BANK C to 34—two floors below the access stairs that are in the fire area
- Q61** Must know BITS and IG cold—asked on every test
- Q75** A—Correct, B—Unstable, C—10-37 Code 2, D—Package while treating
- Q77** NOV-violation against a commercial tenant - NAME the business or entity
NOV-violation against a building—generally name the owner
This was a violation against the business, not the building—so name the business
- Q79** Complaints received for a place of public amusement or entertainment like a theater or dance club—make no inspection—instead—immediately notify ADM DC

FIRE TECH PROMOTION COURSE

5/11/09

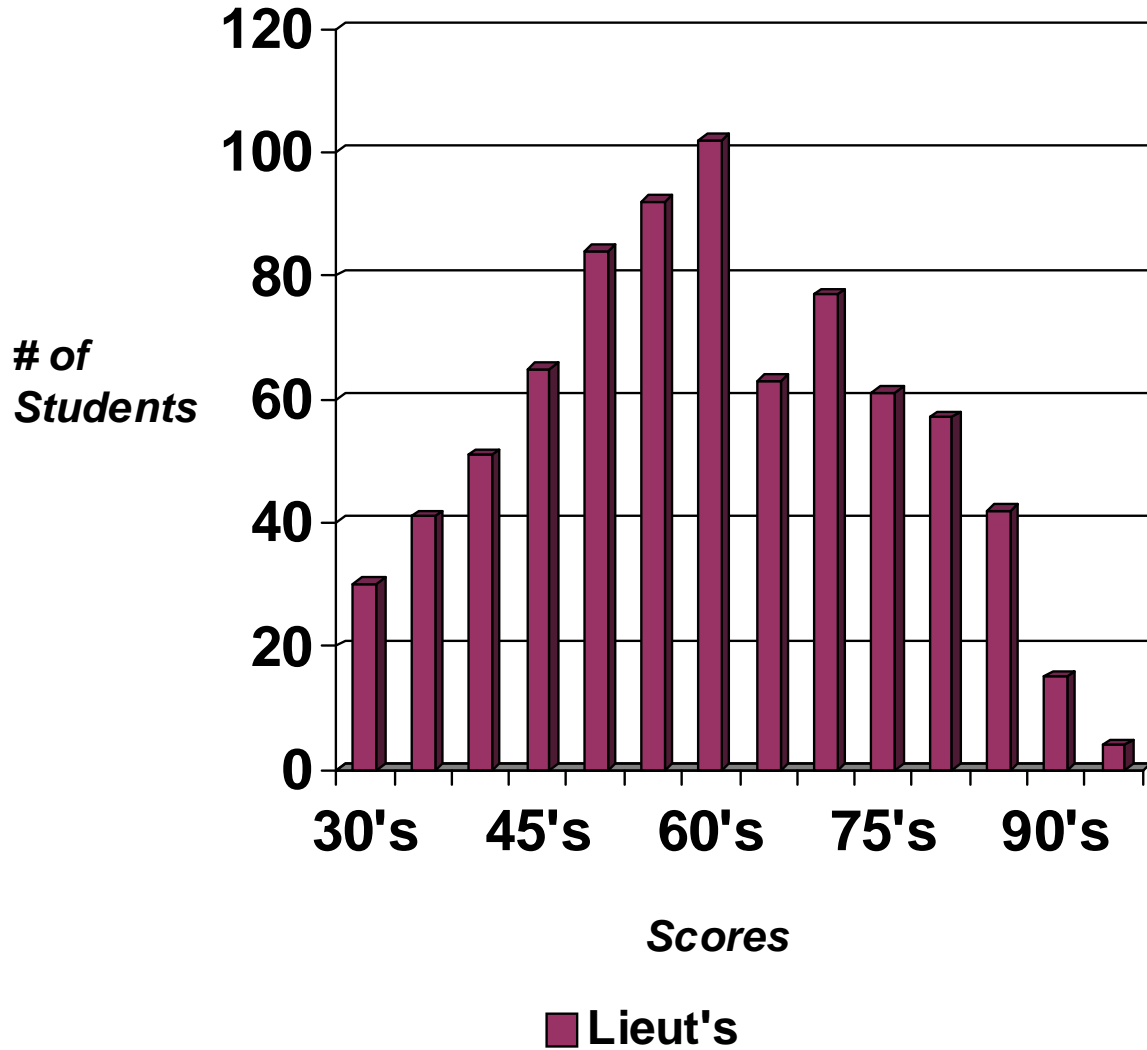
TRIAL EXAM RESULTS

NOTES

**2009 FIRE TECH TRIAL EXAM
BREAKDOWN**

TRIAL SCORE	NO. of Students		TRIAL SCORE	NO. of Students
97.5	2		60	23
96.25	2		TOTAL 60 or HIGHER	419
95	0		58.75	24
93.75	2		57.5	25
92.5	2		56.25	22
91.25	5		55	21
90	6		53.75	23
TOTAL 90 or HIGHER	19		52.5	21
88.75	13		51.25	21
87.5	12		50	19
86.25	7		TOTAL 50 or HIGHER	595
85	11		48.75	17
83.75	8		47.5	17
82.5	17		46.25	16
81.25	12		45	15
80	17		43.73	14
TOTAL 80 or HIGHER	116		42.5	13
78.75	17		41.25	12
77.5	9		40	12
76.25	18		TOTAL 40 or HIGHER	711
75	17		38.75	11
73.75	18		37.5	10
72.5	21		36.25	11
71.25	23		35	9
70	15		33.75	9
TOTAL 70 or HIGHER	254		32.50	7
68.75	16		31.25	6
67.5	15		30	8
66.25	16		TOTAL 30 or HIGHER	782
65	16		Below 30	8
63.75	29		NO SHOWS	65
62.5	26		Total Students	853
61.25	24			

2009 Lieutenant's Trial Exam Score Ranking



The Average Mark
Lieutenant Candidates 62.50