

Room Number: _____



Chicago Fire Department

Battalion Chief Promotional Examination

April 30, 2005

I agree that this test booklet contains 102 multiple choice questions which are presented on pages 1 through 44, and 10 short answer questions which are presented on page 45.

Print Name: _____

Signature: _____

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BATTALION CHIEF PROMOTIONAL EXAMINATION

The 2005 Battalion Chief Promotional Examination consists of 112 questions. 102 of the questions are multiple choice, and the remaining 10 questions are short answer items.

Multiple Choice Questions

The multiple choice questions are divided into three sections, with each following a different Battalion Chief as he goes about his activities during one tour of duty. Questions emerge from the activities during the course of the work day. The Chief in each section will carry out supervisory and administrative duties, respond to incidents, witness or conduct training, etc. Multiple questions may be related to a single incident or a single event, and the information may build from one question to the next. For example, an incident may begin with the Chief responding to a still alarm at a 2½ story frame structure, but the next question may provide additional information such as the structure becoming fully involved, or the Chief requesting an escalation of the alarm to a still and box. Information provided in one question will carry over into a subsequent question, unless otherwise stated or a new incident or event is presented.

Section 3 has a fold out sheet. The sheet contains a form which will need to be filled out based on information provided, and then used to answer some of the questions. Because the form is related to questions on several different pages, it can be folded out so that it is accessible when responding to questions on the different pages. It can be easily folded up when it is not needed.

Short Answer Questions

Following the three multiple choice sections is a fourth section consisting of 10 short answer questions. These are questions which ask you to list a specified number of brief responses. A separate set of answer sheets will be used for this section of the written examination.

SECTION 1

Introduction

The first section of the test will focus on the activities of Battalion 32 under the command of Battalion Chief Humboldt as he goes about his duties through the course of one day. Battalion 32 is located within District 8 and quartered with ALS Engine Company 146. Today is Wednesday, August 18 (3/B).

The companies and officers assigned to Battalion 32 are as follows:

Company	Company Officer
Battalion 32	Chief Humboldt
ALS Engine 146	Lieutenant Boris
Engine 219	Lieutenant Logan
Truck 84	Lieutenant Beck
Engine 142	Lieutenant Corsin
Squad 14	Captain Tomack
Engine 52	Captain Adam
Tower Ladder 17	Lieutenant Mansk
Engine 147	Lieutenant Kent
BLS Ambulance 94	

Although all questions in this section of the examination will refer to the activities of Battalion 32 and Chief Humboldt, it is not necessary to memorize the names of its companies or its officers. This information will be listed at the top of each page of this section of the examination.

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

Today is Wednesday, August 18 (3/B). The forecast for the day is sunny and warm, with temperatures rising throughout the day to a high of around 85° F. Winds are variable, gusting to about 15 mph.

1. Battalion Chief Humboldt has relieved Battalion Chief Williams and is conducting his morning checkout of the SCBA. The ICM 2000 is emitting a beep every 5 seconds. What does this indicate?
 - A. It is operational
 - B. Low air supply
 - C. The battery is low
 - D. The pre-alarm is not activated
2. While working on his manpower projections, Chief Humboldt is dispatched to a still alarm for a garage fire. The fire turns out to be an auto in an alley. The auto has neither a license plate nor a City sticker. After the fire is extinguished, what action should Chief Humboldt take?
 - A. Notify the Fire Alarm Office of an abandoned auto
 - B. Notify the Fire Alarm Office of a stolen auto
 - C. Notify the Fire Alarm Office of arson to an auto
 - D. Notify the Fire Alarm Office to hold companies and return to quarters leaving engine officer in command

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

3. Upon returning to service, Chief Humboldt enters the quarters of Engine 147 to conduct the morning roll call. In addition to the 0800 roll call, Chief Humboldt must conduct a minimum of two additional roll calls at separate quarters during his tour of duty. What is the specified time frame for conducting the two additional roll calls?
 - A. After 1600 hours
 - B. After 1800 hours
 - C. After 2000 hours
 - D. After 2200 hours

4. Engine 147 and BLS Ambulance 94 share the same house. On duty today is Lieutenant Kent of Engine 147 and Senior EMT Richards assigned to BLS Ambulance 94. Chief Humboldt notices that the interior of the BLS ambulance is particularly dirty this morning. Whose responsibility is it to ensure that the routine apparatus maintenance is performed on BLS Ambulance 94?
 - A. Lieutenant Kent
 - B. EMT Richards
 - C. EMT Richards and EMS Field Officer
 - D. EMT Richards and Lieutenant Kent

5. At 0830 hours, Chief Humboldt begins his morning rounds. He has been issued a new General Order and the Distribution Code is "B". To whom should these orders be distributed?
 - A. Copies to all units
 - B. Copies to all supervisors
 - C. Individual copies to all uniformed members
 - D. Individual copies to all personnel, both uniformed and non-uniformed

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

6. Chief Humboldt visits Engine 142's quarters and inspects the company's journal and record books. How frequently must Chief Humboldt thoroughly inspect the journal and record books for each company in his course of supervision?
 - A. Daily
 - B. Semi-weekly
 - C. Weekly
 - D. Monthly

7. Captain Tomack of Squad 14 approaches Chief Humboldt and requests a bereavement leave because his mother passed. He asks Chief Humboldt how long he has to turn in the death certificate. What is the correct response for Chief Humboldt to give Captain Tomack?
 - A. Within 30 days of the bereavement leave
 - B. Within 60 days of the bereavement leave
 - C. Within 90 days of the bereavement leave
 - D. Within 180 days of the bereavement leave

8. Before leaving Engine 142's quarters, Firefighter Ellison approaches Chief Humboldt and states that he is a member of the National Guard, and will shortly need to report for his annual tour of active duty. He asks Chief Humboldt what is the minimum number of days he must take off as a member of the National Guard for paid leave of absence. What is the correct response for Chief Humboldt to give?
 - A. 7 days
 - B. 14 days
 - C. 15 days
 - D. 21 days

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

9. While conducting his morning rounds, Chief Humboldt realizes a NFIRS I report was not generated for a gas leak investigation that Truck 84 conducted the previous work day. However, today Relief Lieutenant Carr is working as the assigned officer for Lieutenant Beck, who is now on furlough. What course of action should Chief Humboldt now take?
- A. Sign Lieutenant Beck's name and print "RL Carr"
 - B. Order Lieutenant Carr to generate the report, sign his own name and print Lieutenant Beck's name to the right of Lieutenant Carr's name
 - C. Order Lieutenant Carr to generate the report, and print Lieutenant Beck's name. Chief Humboldt will initial the document prior to submittal
 - D. Order Lieutenant Carr to generate the report, print Lieutenant Beck's name on the signature line, and initial the form to the right of the name
10. Chief Humboldt next visits Engine 52's house. When he arrives, Captain Adams speaks privately to Chief Humboldt and explains that he is planning a vacation. He asks the Chief what is the maximum number of calendar days he can be off if he extends his furlough with trades, exchanges, and/or paybacks, assuming permission is given by the District Chief. What is the correct answer for Chief Humboldt to give Captain Adams?
- A. 17 days
 - B. 20 days
 - C. 29 days
 - D. 30 days
11. As he leaves Engine 52's quarters, Chief Humboldt is dispatched to investigate an accident involving Ambulance 94. The apparatus has struck a civilian on a skateboard, and the civilian has been injured. What is the correct classification for this type of accident?
- A. 2A
 - B. 2B
 - C. 3A
 - D. 3B

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

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E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

12. Upon completion of the accident investigation, Chief Humboldt must forward all forms which include the 950, 951, and police report, through channels. To whom should the forms be forwarded?
- A. Deputy District Chief/District Chief who is investigating the accident
 - B. Deputy District Chief/District Chief in whose district the accident occurred
 - C. Deputy District Chief/District Chief of the district to which the vehicle is assigned
 - D. Deputy District Chief/District Chief of the district to which the Battalion Chief is assigned
13. It is now 1100 hours and Chief Humboldt returns to Battalion 32's quarters. He plans his drill schedule for the upcoming month. How often must he witness a drill with each of his companies?
- A. Once a week
 - B. Twice a week
 - C. Once a month
 - D. Twice a month
14. Chief Humboldt also plans on conducting an unannounced locker inspection today. How often must he conduct an unannounced locker inspection?
- A. Once each week
 - B. Twice each week
 - C. Once each month
 - D. Twice each month

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
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E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

15. Chief Humboldt also recognizes that he must witness an inventory and inspection of a BLS ambulance on a regular basis. When should he witness an inventory and inspection of a BLS ambulance?
- A. Every day
 - B. Every Sunday
 - C. Once a week (day unspecified)
 - D. At roll call when BLS Ambulance is in quarters
16. At 1500 hours, Chief Humboldt enters the quarters of Engine 146 and conducts the unannounced locker inspection. Following the inspection, he reviews overtime sheets for approval. He sees that Firefighter Mellencamp was rehired today at 0730, reported for duty at 0800, and worked until 1100 hours. What is the correct number of hours of overtime with which Firefighter Mellencamp should be credited?
- A. 3
 - B. 4
 - C. 5
 - D. 12
17. At 1542 hours, Chief Humboldt responds to an alarm of fire in a 3-story brick apartment building, 25'x75', with masonry load bearing walls. While responding, a box is struck by the Alarm Office. Upon arrival, he is informed by Lieutenant Kent of Engine 147 that the interior columns are protected by a fire resistive covering and the underside of all of the wood and floor decks are similarly protected. What type of building is this?
- A. Fire resistive
 - B. Non-combustible
 - C. Protected ordinary
 - D. Unprotected ordinary

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

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E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

18. The temperature has risen to 88° F and the wind is now blowing out of the southeast at 15 mph. Chief Humboldt learns that the fire began on the back porch of the 2nd floor and is now impinging on the 3rd floor units. Firefighter Tripp, Truck 84 roof, radios down to inform Chief Humboldt that the roof deck is brown, covered with pea-gravel, and has one skylight. What action should Chief Humboldt direct to ensure a safe roof-top operation for this incident?
- A. MSA protection must be worn
 - B. A dry backup line must be put in place
 - C. A second means of egress must be established
 - D. Axes only must be used to reduce flammable vapors
19. Firefighters have been working at this incident for 40 minutes and the cooling bus has not arrived. Chief Humboldt is growing concerned for the welfare of the companies based on their very limited fluid intake and profuse sweating. What are inadequate fluid intake and prolonged sweating signs of?
- A. Heat cramps
 - B. Heat exhaustion
 - C. Heat stroke
 - D. Nausea
20. As the Incident Commander at the fire, how often should Chief Humboldt give a progress report?
- A. Every 5 minutes until the fire is struck out, then every 15 minutes
 - B. Every 10 minutes until the fire is struck out, then every 20 minutes
 - C. Every 15 minutes until the fire is struck out, then every 20 minutes
 - D. Every 15 minutes until the fire is struck out, then every 30 minutes

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
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E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

21. Quick intervention by the arriving still companies resulted in the rescue of four of the buildings' occupants. However, each of the four occupants sustained burns to various degrees. Of the following victims, which one would be deemed as "critical" and therefore the subject of a Potential Death Report?
- A. 7 year old male with first-degree burns to his back
 - B. 19 year old female with partial thickness burn to her face
 - C. 57 year old female with first-degree burns to both arms
 - D. 58 year old male with full thickness burn to his left arm
22. During the wash down stage of the fire, two members of Engine 142 are observed engaging in a physical altercation. Chief Humboldt advises Lieutenant Corsin, their company officer, of the minimum recommended suspension for the two members involved. What is the minimum number of days of suspension for the altercation?
- A. 3
 - B. 6
 - C. 9
 - D. 15
23. Chief Humboldt remains on the scene to assist OFI Investigator Riggins in determining the cause of the fire. Whose responsibility is it to classify a fire as arson?
- A. Chicago Police Department
 - B. Still Alarm Battalion Chief
 - C. OFI Investigator
 - D. Both CPD and OFI

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

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E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

24. After operations at the fire have been completed, Chief Humboldt returns to quarters, but is dispatched en route to a Level I Haz-Mat. Upon arrival, he finds a small diesel fuel fire. He orders Engine 147 to use its in-line foam eductor to apply AFFF. What is the correct instruction for Chief Humboldt to give regarding the metering valve setting?
- A. Set metering valve at 1%
 - B. Set metering valve at 3%
 - C. Set metering valve at 6%
 - D. Set metering valve at 9%
25. At 1830 hours, Chief Humboldt is dispatched to the scene of another Level I Haz-Mat, this one on the expressway. Upon arrival, he finds an overturned petroleum tank truck. Safety considerations require the battery cables be disconnected or cut. What should be Chief Humboldt's primary concern with respect to disconnecting or cutting the battery cables?
- A. Notify Chemtrec prior to disconnecting the cable
 - B. Disconnect positive cable first
 - C. Disconnect negative cable first
 - D. Ensure no flammable vapors are present

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

26. The Haz-Mat incident on the expressway is quickly brought under control, and Chief Humboldt returns to quarters. At 2210 hours he enters the kitchen for a cup of coffee. He sees Lieutenant Boris with a visitor at the table. Chief Humboldt orders Lieutenant Boris to have the visitor leave quarters immediately. What are the hours visitors are allowed in company quarters?
- A. 0900 to 2100 hours
 - B. 0900 to 2200 hours
 - C. 0930 to 2100 hours
 - D. 0930 to 2130 hours
27. After completing the day's paperwork, he retires for the evening but is awakened at 2344 hours for a still alarm. Upon arrival on the scene, Chief Humboldt encounters a 2-story building that he identifies as lightweight construction. There is heavy fire on the first floor. It is an unusually warm evening, with the temperature now at 78° F. When should Chief Humboldt expect a structural collapse?
- A. Immediately after structural members have been exposed to fire
 - B. 2 to 4 minutes after structural members have been exposed to fire
 - C. 5 to 10 minutes after structural members have been exposed to fire
 - D. 15 to 20 minutes after structural members have been exposed to fire
28. As the Incident Commander at the still alarm fire, Chief Humboldt orders an immediate evacuation. He receives information of a lost firefighter. He deploys the RIT, requests a Mayday response and escalates the still alarm. What radio channels should he order used by the RIT company and what channels used by all other companies on the scene?
- A. RIT Company members on Channel 1 – All other companies on Channel 3
 - B. RIT Company members on Channel 3 – All other companies on Channel 1
 - C. RIT Company members on Channel 3 – All other companies on Channel 4
 - D. RIT Company members on Channel 4 – All other companies on Channel 3

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

29. Chief Humboldt knows that by requesting a Mayday response, several additional units will be dispatched to the scene. All of the following will respond to the Mayday, except one. Which unit is ***not*** part of the Mayday response?
- A. Air Mask Truck
 - B. Safety Officer
 - C. Light Wagon
 - D. Collapse Rig
30. The RIT locates and successfully rescues the missing firefighter. Within the hour, the incident has been brought under control and Chief Humboldt returns to quarters. He is aware that an “After Action” report, consisting of a Form #2 describing all actions taken and problems encountered by the RIT must be completed. Who is responsible for generating and forwarding these forms to the Deputy Fire Commissioner of Operations?
- A. RIT Chief and RIT Company Officer
 - B. RIT Chief and Incident Commander
 - C. Incident Commander, Plans Chief, and Still Alarm Chief
 - D. Incident Commander, RIT Chief, and RIT Company Officer
31. Chief Humboldt’s rest is interrupted when another still alarm is sounded at 0347 hours. Upon arrival, he finds a 2-story frame house on fire with communication to a 1-story frame garage containing 2 autos. By the time the incident is brought under control, the building is heavily damaged and the garage and autos destroyed. During the incident, 2 civilians were severely burned and removed by ambulance. In addition to two Potential Death Reports, what NFIRS forms must Chief Humboldt complete?
- A. One (1) NFIRS I and one (1) NFIRS III
 - B. One (1) NFIRS I and two (2) NFIRS III
 - C. Two (2) NFIRS I and one (1) NFIRS II
 - D. Two (2) NFIRS I and two (2) NFIRS II

Battalion 32 Chief Humboldt
Wednesday, August 18 (3/B)

E 219 (ALS) Lt. Logan
T 84 Lt. Beck

E 142 Lt. Corsin
Sq 14 Capt. Tomack

E 146 (ALS) Lt. Boris

E 52 Capt Adam
TL 17 Lt. Mansk

E 147 Lt. Kent
A 94 (BLS)

32. Now back in quarters at 0630 hours, Chief Humboldt prepares to be relieved. Relief Battalion Chief Lemon arrives and tells Chief Humboldt he has received a notice stating that his driver's license has been suspended for failure to comply with State required pollution testing. He asks Chief Humboldt what he must do. What is the correct response for Chief Humboldt to give?
- A. Notify Director of IAD
 - B. Notify Manpower Central
 - C. Notify Deputy District Chief
 - D. Notify Director of Engineer Training
33. Because of Relief Chief Lemon's suspended license, he is unable to serve his tour of duty. Chief Humboldt is held over and is eventually relieved by Chief Winnemac at 0925 hours. How much overtime is Chief Humboldt entitled to?
- A. 2 hours
 - B. 3 hours
 - C. 4 hours
 - D. 5 hours

End of Section 1
Continue on to Section 2 which begins on the next page

SECTION 2

Introduction

The second section of the test will focus on the activities of Battalion 33 under the command of Battalion Chief Fairfield as he goes about his duties through the course of one day. Battalion 33 is located within District 8 and quartered with Engine Company 48 and Truck 74. Today is Friday, January 14 (2/B).

The companies and officers assigned to Battalion 33 are as follows:

Company	Company Officer
Battalion 33	Chief Fairfield
Engine 48	Captain Wu
Truck 74	Lieutenant Madison
Engine 31	Lieutenant Pulaski
Truck 65	Captain Jefferson
ALS Engine 40	Lieutenant Steele
Truck 68	Lieutenant Cork
Engine 51	Lieutenant Spano
ALS Ambulance 97	
ALS Engine 37	Lieutenant Prince
Squad 11	Lieutenant Anaya

Although all questions in this section of the examination will refer to the activities of Battalion 33 and Chief Fairfield, it is not necessary to memorize the names of its companies or its officers. This information will be listed at the top of each page of this section of the examination.

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

Today is Friday, January 14. An overnight storm has left approximately 3 inches of fresh snow on the ground. No additional snowfall is expected. The temperature is currently 0° F, but is expected to rise during the day to about 24° F. The forecast calls for strong, gusty winds throughout the day. Chief Fairfield of Battalion 33 arrives in quarters at 0630 hours and relieves Chief Krull, the off-going Battalion Chief.

34. Battalion Chief Fairfield has just returned from furlough to work on January 14 (2/B). He begins his tour of duty by reviewing his company journal. What is the minimum time frame with which he should be concerned?
- A. From his last work day on December 27 (2A)
 - B. From his preceding platoon on January 11 (2A)
 - C. From preceding two platoons on January 12 (3A) and January 13 (1A)
 - D. From preceding platoon on January 13 (1A)
35. At 0730 hours, Chief Fairfield is dispatched to an accident investigation at Engine 31's quarters. Upon arrival, he notices minor scratches to the rear wheel well of the apparatus. He questions Lieutenant Pulaski about the incident, and then checks the company journal and learns that the engine has not responded to a run since 0145 hours. What type or class of accident is this?
- A. 1B
 - B. 3B
 - C. 4A
 - D. 4B

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

36. After completing the accident investigation, Chief Fairfield returns to Battalion 33's quarters to submit his manpower status report to District Headquarters. He then begins morning rounds and enters the quarters of Engine 51 in order to witness the morning (0800) SCBA check during roll call. Prior to beginning, Lieutenant Spano informs Chief Fairfield that at a run at 0700 hours this morning, his SCBA reading was extremely low, and he is concerned that there may be a problem. The temperature outside is 0° F. Even though his tank contained 4050 psi, what psi did Lieutenant Spano's cylinder read during the incident?
- A. 3700 psi
 - B. 3800 psi
 - C. 3950 psi
 - D. 4050 psi
37. After witnessing the SCBA checkout, Chief Fairfield continues his morning rounds. While reviewing the company journal for Truck 68, he notes that Lieutenant Cork is deficient with respect to the times for conducting inspections of company quarters. At what times should Chief Fairfield state that scheduled inspections are to be conducted?
- A. 0800, 1430, 2000 and 0200 hours
 - B. 0800, 1630, 2230 and 0230 hours
 - C. 0830, 1430, 2000 and 0200 hours
 - D. 0830, 1630, 2200 and 0230 hours

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

38. During his visit to Engine 37's quarters, Chief Fairfield reviews the Attendance & Assignment (A&A) sheet submitted by Lieutenant Prince. It shows a trade where Firefighter Black assigned to the first platoon is working today on the 2nd platoon for Firefighter Bellows. The trade has not been properly documented. What is the proper way for Chief Fairfield to instruct Lieutenant Prince to document the trade in the action code column of the Attendance & Assignment sheet?
- A. FF Black – W FF Bellows ED
 - B. FF Black – W FF Bellows TO
 - C. FF Black TO FF Bellows TO
 - D. FF Black ED FF Bellows TO
39. Lieutenant Prince is unsure of the time period in which a trade or Daley exchange must be reconciled. What is the correct answer for Chief Fairfield to give Lieutenant Prince?
- A. 2 months
 - B. 3 months
 - C. 4 months
 - D. 6 months
40. When reviewing the paperwork at Engine 37, he verifies the correct number of NFIRS I associated with the Prehospital Care Report for First Responder Companies, CFD 41.501, with the company journal. What platoon's journal entries should Chief Fairfield use for this?
- A. January 11 (2/A) platoon entries
 - B. January 12 (3/A) platoon entries
 - C. January 13 (1/A) platoon entries
 - D. January 14 (2/B) platoon entries

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

41. Before he can complete his morning rounds, Chief Fairfield is dispatched to a pin-in accident on the expressway. He encounters a rolled over van with four seriously (red) injured occupants. What additional medical resources should Chief Fairfield order?
- A. 3 ambulances
 - B. 4 ambulances
 - C. EMS Plan I
 - D. EMS Plan II
42. Other companies are now approaching the accident on the expressway. How far to the rear of the accident should Chief Fairfield order all responding apparatus to distance themselves?
- A. 50 feet
 - B. 100 feet
 - C. 150 feet
 - D. 300 feet
43. By 0940 hours, the expressway accident has been mitigated and Chief Fairfield returns to quarters to document the incident. While working on the NFIRS reports, he is notified by Lieutenant Madison of Truck 74 that Firefighter Nelson failed to report for roll call at 0800 hours. He later reported for duty at 0930 hours. Who must determine whether medical screening is necessary for Firefighter Nelson?
- A. Company Officer and Battalion Chief
 - B. Battalion Chief and Deputy District Chief
 - C. Deputy District Chief only
 - D. Battalion Chief only

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

44. At 1029 hours, Chief Fairfield is dispatched to conduct an accident investigation involving Truck 65 as it was returning to quarters. It appears that the apparatus was moving at a higher than recommended rate of speed. What is the speed limit for CFD vehicles on a Chicago city street if no speed is posted and they are not responding to an emergency?
- A. 25 mph
 - B. 30 mph
 - C. 35 mph
 - D. 40 mph
45. At 1137 hours, Chief Fairfield responds to a still alarm of fire in a 2-story brick veneer building with no basement. The walls, floors, and roof are wood framing. The interior walls and ceiling surfaces of habitable spaces are protected by a fire resistive covering. What type of building is this?
- A. Heavy Timber
 - B. Protected wood frame
 - C. Protected ordinary
 - D. Unprotected ordinary

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

46. After the fire has been extinguished by ALS Engine 40, Chief Fairfield determines the cause of the fire to be a faulty stove. Damage to the property is slight. However, Firefighter/Paramedic Santee has reported that one occupant received superficial burns to her left arm while attempting to suppress the fire. Chief Fairfield requests an ambulance be dispatched to attend to the injured civilian. Lieutenant Pulaski then asks whether the Office of Fire Investigation (OFI) should be notified. What is the appropriate answer and reason for Chief Fairfield to give?
- A. No – OFI is automatically dispatched
 - B. No – Does not meet the criterion
 - C. Yes – Any civilian injury requires an OFI response
 - D. Yes – Any civilian burn injury requires an OFI response
47. While still in ALS Engine 40's quarters, Chief Fairfield sits in on a class being given by Field Officer Rankin. He is discussing emergency preparedness and the role of pharmaceuticals for First Responders. Field Officer Rankin begins by noting that the national threat level has been raised amid concerns about the use of weapons of mass destruction. He then conducts a drill on the Mark I kit which is to be used to counter the effect of exposure to nerve agents. Which of the following statements is ***not*** true about the Mark I kit?
- A. The use of antidote will protect from anticipated exposure
 - B. The antidote should be used only when signs and symptoms of exposure are present
 - C. The antidote relieves or counters the effects of poisons such as nerve agents
 - D. The Mark I kit does not allow a First Responder to operate in a dangerous environment without an appropriate hazardous material suit

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

48. Field Officer Rankin then stresses the importance of insuring that all pharmaceuticals are fresh, and states that pharmaceuticals nearing their expiration date should be marked on the daily inventory form and reported to the company officer or ambulance commander. How close to the expiration date of the pharmaceuticals must this be done?
- A. As they approach the 18 day mark
 - B. As they approach the 30 day mark
 - C. As they approach the 60 day mark
 - D. As they approach the 90 day mark
49. Chief Fairfield leaves ALS Engine 40's house at 1630 hours to return to Battalion headquarters, but is dispatched en route to the scene of a traffic accident involving an auto and a tanker truck on the expressway. In the accident, the truck rolled over the auto. The auto subsequently erupted in flames, which are now impinging on the midline of the tanker. Chief Fairfield identifies the placard on the side of the tanker and notes the product ID is "1017". He checks the Emergency Response Guidebook (ERG), and identifies the product as Chlorine. He also notes that the product is highlighted in the ERG. Where in the ERG should Chief Fairfield check next?
- A. Blue-bordered pages
 - B. Green-bordered pages
 - C. Orange-bordered pages
 - D. Yellow-bordered pages

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

50. Chief Fairfield establishes that product is leaking from the tanker and references the appropriate guide in the Emergency Response Guidebook. What section of the appropriate guide should concern him first?
- A. Emergency Response Section
 - B. Potential Hazards Section
 - C. Protective Clothing Section
 - D. Public Safety Section
51. Chief Fairfield now uses the Emergency Response Guidebook to determine the appropriate isolation and protective action zones. What is the specific time frame on which the established distances are based?
- A. 5 minutes after initial spill
 - B. 15 minutes after initial spill
 - C. 30 minutes after initial spill
 - D. 60 minutes after initial spill
52. Once the accident has been mitigated, Chief Fairfield returns to Battalion headquarters for his dinner and to do his paperwork. One portion of the paperwork involves completing a NFIRS I for the house fire. He is attempting to estimate the total loss to the structure and contents. The building is 2-stories, 20'x 50', with no basement. If the cost per square foot for new construction is given as \$2.00, what would be the correct estimate of the total loss for this structure?
- A. \$2,000
 - B. \$4,000
 - C. \$4,200
 - D. \$4,400

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

53. At 1830 hours, Chief Fairfield responds to a still alarm in a 1-story, 30-foot high ordinary building, 125'x150'. Captain Jefferson of Truck 65 informs him that a bearing wall has been removed, exposing unprotected steel columns and beams. Chief Fairfield is concerned about building collapse due to elongation of the beams. At 1300° F, how much will these beams increase in length?
- A. Approximately 1% of total length
 - B. Approximately 10% of total length
 - C. Approximately 1-inch
 - D. Approximately 10-inches
54. Chief Fairfield is now concerned about building wall collapse. What is the minimum distance he should order his companies away from the building in order to operate safely outside the collapse zone?
- A. 45 feet
 - B. 50 feet
 - C. 55 feet
 - D. 60 feet
55. The building is soon totally involved, and there has been a partial truss roof collapse in Sector 3. The building adjoins vacant property. Chief Fairfield requests a still and box alarm response and orders Engine 51 to supply Tower Ladder 17 which has now arrived on scene. Where should Chief Fairfield position Engine 51?
- A. As close to Sector 1 as possible, utilizing an in-line operation
 - B. Supply engine, using two 2½-inch lines to base of Tower Ladder 17
 - C. At the nearest available hydrant as the supply engine for an in-line operation
 - D. As close to the base of Tower Ladder 17 as possible, using an in-line operation

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

56. Now that a still and box has been requested, other chiefs are responding to the incident. Who will the arriving chief officers report to, and on what channel?
- A. Command Van via command channel
 - B. Command Van via fireground channel
 - C. Incident Commander via command channel
 - D. Incident Commander via fireground channel
57. Chief Fairfield now coordinates the efforts for a search and rescue operation as a result of the partial truss roof collapse. How many stand-alone PASS alarm devices should he have in his buggy?
- A. Total of 4
 - B. Total of 5
 - C. Total of 8
 - D. Total of 10
58. After leaving the Still and Box, Chief Fairfield is dispatched to another still alarm. While en route, Battalion 33 is held by information received from Engine 37. As he returns to quarters, Chief Fairfield hears over the radio Engine 37 requesting an ALS ambulance for an injured civilian with 2nd and some 3rd degree burns on his hands, face and neck area sustained while putting out a kitchen stove fire. Ambulance 97 is dispatched. What obligations, if any, does Chief Fairfield now have?
- A. Return to the scene, verify OFI response, generate NFIRS I, II, and Potential Death Report
 - B. Return to the scene, verify OFI response, generate NFIRS I, III and Potential Death Report
 - C. Return to quarters and gather all the information necessary to complete the appropriate forms from the officer of Engine 37 and forward to District and OFI
 - D. Return to quarters and gather all pertinent information from Ambulance 97 and forward to District and OFI

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

59. At 2237 hours, Chief Fairfield is dispatched to the scene of a still alarm involving a 2½-story, occupied frame, 25'x60'. He sees smoke coming from the attic area and suspects that there may be a kneewall in the attic of the building. He quickly checks the roof construction for further indications to support his suspicion. Which of the following would not be a good indicator that a kneewall is present in the attic?
- A. Flat roof
 - B. Gable roof
 - C. Hip roof
 - D. Mansard roof
60. Chief Fairfield now receives word that the primary search of the building has been completed. Who is responsible for initiating the secondary search?
- A. 1st arriving Truck officer
 - B. 2nd arriving Truck officer
 - C. Squad officer
 - D. Incident Commander

Battalion 33 Chief Fairfield
Friday, January 14 (2/B)

E 31 Lt. Pulaski
T 65 Capt. Jefferson

E 40 (ALS) Lt. Steele
T 68 Lt. Cork

E 48 Capt. Wu
T 74 Lt. Madison

E 51 Lt. Spano
A 97 (ALS)

E 37 (ALS) Lt. Prince
Sq 11 Lt. Anaya

61. By 0115 hours, the incident is brought under control and Chief Fairfield returns to quarters to complete the necessary paperwork. At 0530 hours, however, Chief Fairfield responds to another still alarm. Upon arrival, he encounters a 2-story frame with heavy smoke coming from the chimney, spreading eastward. He also notices smoke filling the first floor doorway. What does this likely indicate?
- A. Fire in the attic
 - B. Fire in the basement
 - C. Possibility of backdraft
 - D. Possibility of flashover
62. The fire is quickly extinguished. During salvage and overhaul operations, Chief Fairfield is informed by Captain Jefferson that one of the K-12 saws was taken from the compartment by an unknown person while Truck 65 was working at the fire. In addition to the police report CPD 11.380, what reports will Battalion Chief Fairfield need to forward to District headquarters regarding the missing K-12 saw?
- A. Battalion Chief Investigative Report Form 2 and Lost/Stolen Equipment Report
 - B. Company Officer Investigative Report Form 2 and Lost/Stolen Equipment Report
 - C. Battalion Chief Investigative Report Form 2, Company Officer Investigative Report Form 2, and Lost/Stolen Equipment Report
 - D. Company Officer Investigative Report Form 2, Lost/Stolen Equipment Report, and an Incident Case Report Form 2 from all company members

End of Section 2
Continue on to Section 3 which begins on the next page

SECTION 3

Introduction

The third section of the test will focus on the activities of Battalion 30 under the command of Battalion Chief Drake as he goes about his duties through the course of one day. Battalion 30 is located within District 8 and quartered with Engine Company 33. Today is Wednesday, April 18 (3/B).

The companies and officers assigned to Battalion 30 are as follows:

Company	Company Officer
Battalion 30	Chief Drake
ALS Engine 33	Lieutenant Aronson
Engine 41	Captain Wynn
Truck 12	Lieutenant Hooks
Engine 105	Lieutenant Stone
Truck 77	Lieutenant Shea
Engine 53	Captain Hall
Squad 9	Lieutenant Maldonado
ALS Engine 136	Lieutenant Troy
BLS Ambulance 93	

Although all questions in this section of the examination will refer to the activities of Battalion 30 and Chief Drake, it is not necessary to memorize the names of its companies or its officers. This information will be listed at the top of each page of this section of the examination.

**Battalion 30 Chief Drake
Monday, April 11 (2/A)**

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

It is Monday, April 11. It promises to be a beautiful spring day with temperatures seasonably comfortable around 55° to 60° F. Winds are expected to be reasonably calm.

Chief Drake reports for duty at 0630 hours and relieves off-going Battalion Chief Klemper. He gets a cup of coffee from the kitchen and begins preparing his manpower sheets to notify District 8 of the projections for the next work day.

Before working on his manpower projections, he carefully reviews the Manpower Stipulations for the District, as well as information provided on furloughs, layoffs, and bereavements.

Stipulations

1. Each Engine Company has a complement of 3 Firefighters
2. Each Truck Company has a complement of 4 Firefighters
3. Each Squad Company has a complement of 5 Firefighters
4. Each BLS Ambulance has a complement of 2 Firefighter/EMTs
5. Single Engine Companies will not operate with a variance
6. Acting Down personnel to be assigned only to Double Houses to facilitate manpower should they be needed in their ranked position
7. Only one acting or manning variance in each house
8. When two or more companies are quartered together, and a manpower shortage exists on one company, it will always be filled by the other company in the same quarters if that company has extra manpower

The following members are on furlough

Engine 33 Firefighter/Paramedic Boyd
Truck 12 Firefighter Mangan and Firefighter Brunsen
Truck 77 Firefighter Cintas

The following members are laid up

Squad 9 Firefighter Danley and Firefighter Spann

The following member was granted a Bereavement Leave for April 14th

Engine 105 Firefighter Hanson

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

A copy of the Manpower sheet used by Chief Drake is shown on the foldout sheet on page 34. The Manpower Sheet is related to questions 63 through 65, 71 through 74, and 89. When the sheet is unfolded, you will be able to see the information and questions in the test booklet while you work on the manpower projections. For convenience, the Manpower Stipulations and information shown on page 28 are duplicated at the top of page 34.

63. How many Firefighters does it take to staff Battalion 30?
- A. 29
 - B. 30
 - C. 31
 - D. 33
64. Given the stipulations and the information provided, how many firefighters should Chief Drake tell Deputy District Chief Gilbert he has available for the next work day?
- A. 25
 - B. 27
 - C. 29
 - D. 31
65. All of the following can be considered variables which will affect Battalion 30's manning numbers, except one. Which variable ***does not*** affect Battalion 30's manning numbers?
- A. Bereavement Days
 - B. Furlough Days
 - C. Lay-ups
 - D. Trade Offs

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

66. After completing the Battalion's manpower projections, Chief Drake calls them in to Deputy District Chief Gilbert. Shortly thereafter, Chief Drake is notified by Lieutenant Stone of Engine 105 that the Division of Apparatus Maintenance has delivered a spare apparatus that he considers to be unsafe. Chief Drake immediately responds to Engine 105's quarters. After inspecting the apparatus, he concurs with the assessment of Lieutenant Stone. What is the appropriate course of action for Chief Drake to now take?
- A. Notify the Deputy District Chief
 - B. Notify supervisor at the Division of Apparatus Maintenance
 - C. Refuse receipt and request replacement
 - D. Place Engine Company 105 out of service and notify District Headquarters
67. While returning to quarters, Chief Drake is dispatched to a Level I Haz-Mat at the rail yard. He arrives first on the scene and encounters a leaking intermodal container. He identifies the offending container and notes the hazard identification code posted as "X88". What significance does the prefix "X" have on this panel?
- A. Product has explosive tendencies
 - B. Product has risk of a spontaneous violent reaction
 - C. Product has a double intensification of that hazard
 - D. Product will react dangerously with water

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

68. At 0930 hours, Chief Drake drives to District Headquarters. En route, he sees a Chicago Police Officer performing CPR on an adult victim who has collapsed on the street. Chief Drake stops to provide assistance. What ratio of compressions to ventilations should Chief Drake and the Police Officer use on the victim?
- A. One (1) compression to five (5) ventilations
 - B. Two (2) compressions to fifteen (15) ventilations
 - C. Five (5) compressions to one (1) ventilation
 - D. Fifteen (15) compressions to two (2) ventilations
69. Chief Drake stays on the scene with the police officer until an ALS Ambulance responds and transports the victim to the hospital. He then proceeds to District Headquarters to review and sort his paperwork. At 1040 hours, Lieutenant Stone of Engine 105, an AED fire company, notifies Chief Drake that the AED was used and needs to be downloaded. However, the company is currently far outside the 8th District's boundaries. Where should Chief Drake advise Lieutenant Stone to go to download?
- A. Field Division
 - B. 8th District Headquarters
 - C. Closest download facility
 - D. Support and Logistics Division
70. A short while later, Chief Drake responds to the same rail yard as for the Haz-Mat incident earlier in the day. A container is identified as leaking carbon monoxide. He realizes that this product is a colorless, odorless and tasteless gas. All of the following statements are also true about carbon monoxide, except one. Which statement is ***not*** true regarding carbon monoxide?
- A. The product is shipped in pressurized steel containers
 - B. The product is shipped with mercaptin added to enhance detection
 - C. The product's container has a frangible disc to act as a safety device
 - D. A DOT 4"x4" red flammable gas label is required for common carriers

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

At 1100 hours at District 8, Battalion Chief Drake is given his manpower by DDC Gilbert, as follows:

- Firefighter/Paramedic Lance (Engine 33) is to work as the Paramedic on ALS Engine 57 in the 29th Battalion
 - Firefighter/EMT Warren (Truck 77) is to work Ambulance 93
 - Firefighter/EMT Cecil (Engine 40 in the 28th Battalion) will work Ambulance 93
 - Engine 41 will run an acting Lieutenant variance
 - Truck 77 is to run a manning variance
 - Firefighter/EMT Hopkins has been rehired to work Daley off
 - 8th District Relief Engineer/EMT Noble will Act Down as a Firefighter
 - One (1) Firefighter will be detailed in from the 27th Battalion
71. DDC Gilbert asks Chief Drake where he wishes Firefighter/EMT Hopkins to report to work on his Daley day. Given the manpower noted above, what is the appropriate response for Chief Drake to give to DDC Gilbert?
- A. Engine 33
 - B. Engine 136
 - C. Squad 9
 - D. Truck 12
72. DDC Gilbert then asks Chief Drake where he wishes to have Relief Engineer Noble report to work. What is the appropriate response for Chief Drake to give to DDC Gilbert?
- A. Engine 33
 - B. Engine 105
 - C. Squad 9
 - D. Truck 77

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

73. Before leaving District Headquarters, Battalion Chief Evans of the 27th Battalion contacts Chief Drake to learn where to send the Firefighter detailed from his Battalion the next day. What is the appropriate response for Chief Drake to give to Chief Evans?
- A. Engine 33
 - B. Engine 41
 - C. Squad 9
 - D. Truck 77
74. An acting variance has been assigned to Engine 41. How is the Firefighter assigned to act up chosen?
- A. At the discretion of the Department
 - B. Based on seniority on the Company
 - C. At the discretion of the Company Officer
 - D. At the discretion of the Battalion Chief
75. At 1120 hours, Chief Drake responds to a Level I Haz-Mat incident involving a leak from a rack of stored 20-pound propane tanks. He is aware that thermal imaging cameras are not intrinsically safe. What should Chief Drake be most concerned about with the use of the Thermal Imaging Camera at this incident?
- A. Lethal Concentration (LC) and Lethal Dose (LD)
 - B. Lower Explosive Limits (LEL) and Upper Explosive Limits (UEL)
 - C. Threshold Limit Value (TLV) and Time Weighted Average (TWA)
 - D. Immediately Dangerous to Life: Health (IDLH) and Toxic Inhalation Hazard (TIH)

**Battalion 30 Manpower Sheet
For Monday, April 14 (2/B)**

	A	B	C	D	E	Remarks
E 33 (ALS)	Boyd (PM) Jansen	Hopkins (EMT)	Lance (PM)	Lt Aronson (PM)	Eng Waters Cabrerra	
E 41		Capt Wynn Sanchez O'Leary	McCrane	Staley	Eng Palin	
T 12	Lt. Hooks Morris Mangan (Driver)	Flem (Driver)	Nitti	Brunson (Driver)	Faber	
E 105	Lander (EMT)		Eng Morley Hanson	Kilroy (EMT)	Lt Stone Garrity	
T 77	Lt. Shea Brooks (Driver)	Cintas	Olivia (EMT) Seneca (EMT)	Barber (Driver)	Warren (EMT)	
E 53	Eng Owens Peters		Capt Hall Holmes (EMT)	Masters	Jobe	
Sq 9	Danley (Driver)	Ford (Driver)		Lt Maldonado Fitzgerald Simon (Driver)	Gerald Spann	
E 136 (ALS)		Vincent	Lt Troy (EMT) Christian (PM)	Yancey	Eng Simpson Dooley (PM) Williams	
AMB 93 (BLS)						

Battalion 30 - Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

76. The Haz-Mat incident is quickly mitigated, and Chief Drake returns to quarters for lunch. The meal is interrupted, however, when Chief Drake is dispatched to the scene of a fire in a high rise under construction. Work has progressed up to the 45th floor of a proposed 50-story unit. Upon arrival, Chief Drake is met by a crew foreman who states the fire is located on the 40th floor. From what floor should Chief Drake order the lead out?
- A. 30th floor – Buildings under construction require hook-ups every ten floors
 - B. 35th floor – Buildings under construction require hook-ups every five floors
 - C. 38th floor, from dry temporary standpipe system
 - D. 39th floor, from dry temporary standpipe system
77. The fire is quickly extinguished, and Chief Drake returns to his supervisory duties. At 1250 hours, Chief Drake responds to a still alarm. Upon arrival he has heavy fire showing on the 2nd floor of a building in which the load bearing walls and columns are masonry and all exposed wood members have a minimum dimension of 2 inches. What type of construction is this?
- A. Fire resistive
 - B. Heavy timber
 - C. Protected ordinary
 - D. Protected non-combustible
78. Chief Drake had previously been asked to present a training session today for new Battalion Chiefs on liquefied propane gas (LPG) cylinders. At 1400 hours he reports to the Fire Academy and begins his presentation. A question arises regarding the amount of vapor space in a LPG cylinder. What should Chief Drake state is the maximum vapor space in a LPG cylinder?
- A. 3%
 - B. 10%
 - C. 20%
 - D. 30%

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
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Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

79. Of particular interest to the new Battalion Chiefs is the specific leadout to use when encountering a leaking LPG cylinder with no fire. What should Chief Drake state is the recommended lead out and purpose for each line?
- A. 1 fog line to dissipate leaking vapors and a solid hose stream standing by in case of ignition
 - B. 1 fog line directed onto the cylinder to cool the tank and a solid hose stream directed at the plume for deflection
 - C. 1 solid hose stream directed at the tank to cool it and reduce internal tank pressure and 1 fog line standing by
 - D. 1 solid hose stream to dissipate leaking vapors and 1 fog line standing by in case of ignition
80. At 1550 hours, the training is interrupted when Chief Drake and Engine 41 are dispatched to a still alarm fire in a 24-story Chicago Housing Authority building. As the Still Alarm Chief, what should be Chief Drake's *primary* goal at this incident?
- A. Calling for a box alarm
 - B. Manage control of the building's systems
 - C. Making sure his companies take control of all elevators
 - D. The safe removal and/or rescue of the building's occupants
81. Truck 12, FIT, has confirmed a fire on the 12th floor of the high rise. What is the minimum number of floors in the attack stairwell above the fire floor that must be checked to insure the stairwell is clear of occupants before beginning fire attack operations?
- A. 2
 - B. 3
 - C. 4
 - D. 5

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

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E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

82. At the high rise fire, Engineer Waters of Engine 33 tells Chief Drake that the Siamese connections are damaged and cannot be used. Where should Chief Drake tell Engineer Waters to go to feed the standpipe system?
- A. The basement OS&Y outlet
 - B. The second floor 2½-inch hose outlet
 - C. The wall hydrant
 - D. The 2½-inch intake in the building's pump room
83. Once the fire has been extinguished and all clean up operations completed, Chief Drake returns to quarters to prepare the NFIRS I reports for the incident. The address of the high rise building is 3607 N. Crenshaw. What should be written in at the end of the address in Section D?
- A. CHA
 - B. High Rise
 - C. Project
 - D. Public Housing
84. At 1630 hours, Chief Drake is dispatched by the Englewood Fire Alarm Office to a collapse in the deep tunnel in his battalion. Along with an EMS Field Officer, two ambulances, and 5-1-1, what other units should Chief Drake expect to fill out the initial response to this incident?
- A. One (1) Truck Company, one (1) Engine Company, and one (1) Squad Company
 - B. Two (2) Truck Companies, two (2) Engine companies, and two (2) Squad companies
 - C. One (1) Deputy District Chief, one (1) Truck Company, two (2) Engine Companies, and one (1) Squad Company
 - D. One (1) Deputy District Chief, one (1) Truck Company, two (2) Engine Companies, and two (2) Squad Companies

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

85. Investigation at the collapse reveals the presence of toxic gases. Chief Drake supervises the deployment of his Draeger Team. How many Draeger Masks will the Draeger team be equipped with?
- A. 4
 - B. 5
 - C. 6
 - D. 7

By 1900 hours, the incident has been mitigated and Chief Drake returns to quarters. At 2140 hours, he is dispatched to another still alarm. Upon arrival, he is presented with an occupied, 2-story frame, 50'x70' with fire on the first floor. To the east, in sector 2, there is a 2½-story frame 30'x60'. To the west, in sector 4, there is a 2-story frame, 30'x50'. The building of origin has occupants seeking egress, but not trapped or at risk. The temperature is 54° F, with winds at 17 mph from the east.

86. Relative to his priority of actions, what is the first assignment Chief Drake should give?
- A. Begin forcible entry operations
 - B. Begin vertical and horizontal ventilation
 - C. Escalate the level of alarm
 - D. Initiate primary search operations
87. What is the second assignment, relative to priority of actions, Chief Drake should give?
- A. Begin forcible entry operations
 - B. Begin vertical and horizontal ventilation
 - C. Initiate primary search operations
 - D. Lead out to protect and keep stairwell open

Battalion 30 - Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

88. What is the third assignment, relative to priority of actions, Chief Drake should give?
- A. Begin vertical and horizontal ventilation
 - B. Initiate primary search operations
 - C. Lead-out to prevent fire communication
 - D. Lead-out to protect and keep stairwells open
89. At 2300 hours, Engineer Owens of Engine 53 develops acute flu-like symptoms. He asks Captain Hall to summon an ambulance to quarters so he can be seen at the hospital emergency room. Captain Hall notifies Chief Drake of this occurrence. Captain Hall is not sure of the Company's present status. What should Chief Drake tell Captain Hall?
- A. In service: Acting Down Noble will assume Engineer duties
 - B. In service: Have Firefighter Masters act as engineer until information on Engineer Owens' medical status becomes known
 - C. Out of service: Waiting until information on Engineer Owens' status becomes known following emergency room visit
 - D. Special duty in quarters: Waiting until medical status of Engineer Owens is determined
90. At 0230 hours, Battalion 30 responds to a complaint of overcrowding in a night club by order of the Main FAO. Upon entry, Chief Drake introduces himself to the manager of the club. The occupancy placard is 326. What type of occupancy is this?
- A. Small assembly
 - B. Large assembly
 - C. Commercial assembly
 - D. Mercantile assembly

Battalion 30 Chief Drake
Monday, April 11 (2/A)

E 41 Capt. Wynn
T 12 Lt. Hooks

E 105 Lt. Stone
T 77 Lt. Shea

E 33 (ALS) Lt. Aronson

E 53 Capt. Hall
Sq 9 Lt. Maldonado

E 136 (ALS) Lt. Troy
A 93 (BLS)

91. Chief Drake inspects the club to verify that the number of exits are consistent with the fire prevention code. What is the minimum number of exits this occupancy is required to have?
- A. 1
 - B. 2
 - C. 3
 - D. 4
92. What is the minimum required width of these exits?
- A. 28 inches
 - B. 32 inches
 - C. 36 inches
 - D. 42 inches
93. Chief Drake inspects the doors for panic hardware. Panic hardware should be provided in occupancies servicing more than a specified number of persons. At what point does an occupancy require panic hardware?
- A. More than 100 persons
 - B. More than 200 persons
 - C. More than 300 persons
 - D. More than 1000 persons

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94. Chief Drake next tests the panic hardware for proper functions. The exit doors should be equipped to release under what pressure?
- A. 15 pounds
 - B. 20 pounds
 - C. 25 pounds
 - D. 50 pounds
95. Chief Drake also inspects the premises for any other safeguards which are required by fire prevention code. What fire prevention safeguard is required for this establishment?
- A. Fire alarm panel
 - B. Sprinkler system
 - C. Enunciator panel
 - D. Illuminated exit signs

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Following the inspection, Chief Drake takes the appropriate action and then returns to Battalion 30 for some rest. At 0400 hours, he is awakened and dispatched to a still alarm at 2400 E. Coburn, a 35-story residential high rise. Chief Drake responds and is the first arriving chief. Upon arrival, he finds a building evacuation in progress initiated by building management. A fire has been reported on the 20th floor, but has not yet been confirmed.

The building is fire resistive, but not sprinkled. There are two stairwells, designated as North and South, two passenger elevator banks and one freight elevator. The outside temperature has now dropped to 28° F. The interior temperature of the building is 71° F.

96. When first arriving at the scene of the high rise incident, who should Chief Drake expect to see at the building's Fire Command Station?
- A. Fire Warden
 - B. Fire Safety Director
 - C. Emergency Evacuation Team
 - D. Building Evacuation Manager
97. What floors should Chief Drake expect are being evacuated by building management?
- A. Floors 15 through 22
 - B. Floors 15 through 25
 - C. Floors 18 through 22
 - D. Floors 18 through 25

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98. From a tactical standpoint, what effect will weather have on the ventilation operations?
- A. Air flow will not be a factor due to interior temperature
 - B. Air flow will not be a factor due to exterior temperature
 - C. Air should flow in on the upper floors and elevator shafts and out on the lower floors
 - D. Air should flow in on the lower floors and elevator shafts and out on the upper floors
99. Chief Drake encounters Firefighter Nitti in the lobby and is informed that the elevators have been recalled. He also presents Chief Drake with the building prefire plan. What should be Chief Drake's primary priority at this point?
- A. Set the staging area for the incident
 - B. Salvage covers to protect the elevator hoistways
 - C. Designate stairwells for evacuation and firefighting
 - D. Take control of the fire communication/command panel
100. The Fire Investigation Team (FIT) has now confirmed a fire on the 20th floor which necessitates a lead-out for extinguishment. After ordering a still and box alarm, the high rise chief arrives and confers with Chief Drake before establishing the Forward Fire Command. The two box alarm chiefs arrive, Battalion Chiefs Portis and Lincoln, and confer with Chief Drake in the lobby. Chief Portis is assigned as the Search and Rescue Chief. What should be Chief Lincoln's assignment?
- A. Fire Attack Chief
 - B. Salvage Chief
 - C. Staging Area Chief
 - D. Support Chief

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101. Lieutenant Shea of Truck 77 has been assigned by the Search and Rescue Chief to check an apartment on the 24th floor. The Forward Fire Commander radios Lieutenant Shea to reassign him to check on a victim on the 23rd floor. Lieutenant Shea informs the Forward Fire Commander that this countermands his original order. Who should the Forward Fire Commander inform of the change to Truck 77's orders.
- A. Plans Chief
 - B. Lobby Control Chief
 - C. Incident Commander
 - D. Search and Rescue Chief
102. Chief Drake calls Chief Portis and alerts him that the 29th floor needs to be searched. Chief Portis and Tower Ladder 70 proceed to the 29th floor and complete the assignment. Who should Chief Portis notify that this assignment has been completed?
- A. Command Van
 - B. Fire Attack Chief
 - C. Incident Commander
 - D. Forward Fire Commander

End of Section 3
Continue on to Section 4 which begins on the next page

SECTION 4

Short Answer Questions

Record your responses for these questions on the five carbonless answer sheets, not the scantron answer sheet. When recording your responses, be sure to number each of your answers. For example, if a question was “List four tools roof team members should bring with them for flat roof ventilation”, a correct set of responses would be recorded as:

- (1) 2 Axes
- (2) K950 saw
- (3) Stripping Ladder
- (4) Life Line

1. List **four** things that might be found on the Fire Command/Communication Panel in a residential high rise building.
2. List **five** duties of the Search and Rescue Chief.
3. List **five** signs of backdraft.
4. List **four** responsibilities of the RIT Chief on the emergency scene once a Mayday has been declared.
5. List **three** reasons for the Incident Commander to impound SCBA equipment at an incident site.
6. List **four** responsibilities of a Battalion Chief arriving on the scene of an EMS Plan 1.
7. List **five** actions that will occur during Phase I of elevator recall operations when the key switch is turned to the “On” position.
8. Once a fire is confirmed at a high rise still alarm, the incident is escalated to a still and box alarm via the command van. List **seven additional** units and the number of each that will respond on the high rise still and box alarm. Each number-unit combination (e.g., 2 command vans) represents one answer.
9. CFD recognizes a high rise as any building with a height of 80 feet or more. A definition developed by the U. S. General Services Administration (GSA) considers a high rise building to be a structure in which complete emergency evacuation is not practical and in which the fire must be fought internally because of height. List **four** usual characteristics cited by the GSA of such a building.
10. List **four** duties of a high rise Plans Chief when receiving a specific report of occupants in distress or in need of assistance.