



Denton Fire Department

Promotional Test Appeal

Name

DFD ID#

DATE

3/7/23

APPEAL OF EXAMINATION QUESTION

INSTRUCTIONS: Please complete one form for each question you wish to appeal. State clearly what you believe is wrong with the question and provide a reason for your belief. The posted source material is the guide for the accuracy of any question or answer. Please type, print or write legibly. If additional space is needed, go to the bottom of this page.

EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 5

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☒ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

I would like to submit that "The heredity of the individual" is "considered a factor in metabolic syndrome". I base this on pg. 117, where "the firefighter wellness physical of the Rogers, Arkansas, Fire Departments Medical Evaluation and Fitness Program" includes a "Comprehensive health background questionnaire • Metabolic profile analysis • Lipid panel (including cholesterol, triglycerides, HDL, and LDL)". One reason to have a "Comprehensive health background questionnaire" is to know "the heredity of the individual". I gather that all answer choices are **FACTORS** in metabolic syndrome. All answer choices should be graded correct. Thank you for your time today and for allowing this opportunity.

Denton Fire Department Driver's Exam Appeals 2023

Department Response

Source: **Occupational Safety, Health, and Wellness**, (4th Ed.), IFSTA

Question 5 (1 appeal)

Of the following answers, which answer IS NOT considered a factor in metabolic syndrome?

- a. A high blood pressure
- b. A low HDL cholesterol level
- c. A high triglyceride level
- d. The heredity of the individual

Answer – D (page 127)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Answer is directly out of the book on page 127. The appeal is based on text from page 117; this page doesn't mention "heredity" or "metabolic syndrome" much less link the two together.

The department response is to sustain the key.



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March 3, 2023

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 27

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☒ The keyed answer D is not correct. Answer B is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

#27 asks which of the factors greatly influences discharge pressure. While the other choices influence discharge, Choice B, the speed of the impeller, is the only one that greatly influences discharge pressure. On page 300 of the book it states "Greater pressure is developed with increased impeller speed" & further "The increase in pressure is roughly equal to the square of the change in impeller speed." The other two factors are listed ^{only} as direct influences. Further in the information about water from a pressurized source it states "Any movement of the impeller increases both ^{the} velocity and corresponding pressure." Of the factors that influence discharge pressure the speed of the impeller greatly influences it.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 3-6-23

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 27

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, A is correct in addition to the keyed answer. Both answers should be graded correct.
- ☒ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

The word "greatly" implies that the question is asking which factor has the greatest influence. "The amount of output pressure that a pump may develop is directly dependent on the volume of water it is discharging". The question is asking which answer is most important, ~~this~~ ~~and~~ It can be argued that "A" is also correct.

Question 27 (2 appeals)

Which of the following factors greatly influence a centrifugal pump's discharge pressure?

- a. the amount of water being discharged
- b. the speed at which the impeller is turning
- c. the pressure of water when it enters the pump from a pressurized source
- d. all of the above

Answer – D (page 300)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: The book lists answers A, B, and C as “three main factors” that influence centrifugal pump discharge pressure. “Main factors” are things that “greatly influence”; the question is not asking for the greatest influence nor is one named in the text.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

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DATE 3-6-23

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 33

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, C is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

PG 197, The reach of the fog stream is directly related to its width, size of water particles, the wind and the volume of water flowing.
answer D and C are both in the same statement,
the size of the hose being used when pumped at the same
nozzle pressure will inherently provide more volume, & reach.

"C" the size of the hose being used should be accepted
due to volume increase with larger hose line



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 3/8/23

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 33

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, C is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

The volume of water flowing is related to the
reach of a fog stream. Different size hose increase
or decrease the volume of water flowing

Question 33 (2 appeals)

Which of the following is directly related to the reach of a fog stream?

- a. the speed at which the nozzle is opened
- b. the size of the supply intake
- c. the size of the hose being used
- d. the size of the water droplets

Answer – D (Page 197)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: "...directly related to its width..." is possessive and refers to the width of the stream. Larger hose alone does not inherently increase volume or reach of a fog stream. More volume through a fog nozzle requires more pressure, a bigger nozzle, or both.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 3-6-23

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 36

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☒ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

The First sentence of the Carrying Capacity states "The lead-carrying Capacity of a beam increases by the square of its depth". Without dimensions no numbers can be given. You have to know the depth to figure Carrying Capacity



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 3/7

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 36

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☒ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Question # 36 Key answer is C (sixteen)
If we increase the depth of a beam
four times, the load capacity is increased _____
times?

This question is not word for word out of
the book. The book states "thus multiplying the depth
by two, the carrying capacity is increased by the square of
two - that is, by four"

No where does it say anything about load capacity is
increased by sixteen.

Question 36 (2 appeals)

If we increase the depth of a beam four times, the load capacity is increased _____ times.

- a. four
- b. eight
- c. sixteen
- d. thirty-two

Answer – C (page 28)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: The book states the load carrying capacity of a beam increases by the square of its depth. At the end of the same paragraph it states that (by) multiplying the depth by two, the carrying capacity is increased by the square of two—that is, by four. Therefore, if increased four times, the carrying capacity is increased by the square of four—that is, by sixteen. Also, figure 2-20 illustrates this as well.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 03/09/2023

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 48

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, A is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

p. 253 "There is an inherent limit to the height of masonry buildings due to the necessity of increasing the thickness of the wall ~~as~~ as the height of the building increases."

p. 253 "The tallest old-style masonry bearing wall building in the United States is the Monadnock Building in Chicago. It is 15 stories high, and the masonry walls at ground level are several feet thick"

Using the above knowledge regarding the necessity to use considerably more building materials as masonry building height increases, one can arrive at the fact that as building height increases, so does cost. Because the wall increases in two dimensions, (height and thickness), the cost increase is not linear. It is exponential. Therefore, choice "A" is correct in addition to choice "C".

Source: Building Construction for the Fire Service (6th Ed.) Brannigan

Question 48 (1 appeal)

The reason that there is an inherent limit to the height of masonry buildings is:

- a. the cost of building construction materials becomes exponentially higher with taller buildings.
- b. the overall interior space becomes limited with each floor that is added to the building.
- c. due to the necessity for increasing the thickness of the wall as the building height increases.
- d. the building loses it's aesthetic appeal due to the quantity of masonry materials.

Answer – C (page 253)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Directly from the book. No mention of construction costs associated with the Monadnock Building in Chicago. The appeal is making assumptions not stated in the book.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID [REDACTED] DATE 03/09/2023

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 49

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer B is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

p. 325 "A chief virtue of concrete is its high compressive strength and
low cost, which is why concrete is used for columns" (subheading: "Columns")

p. 326 "Plain concrete is strong in compression but weak in shear,
and it does not have any tensile strength" (subheading "Beams and Girders")

Choice "B" states that "Plain concrete is strong in vertical applications but
weak in horizontal applications."

Plain Concrete is strong as a vertical element, as in a column under compressive
forces, but weak as a horizontal element, as in a beam which is under
both compressive and tensile forces (p.326). Therefore, choice "B" is a
correct and acceptable answer choice.

Source: Building Construction for the Fire Service (6th Ed.) Brannigan

Question 49 (1 appeal)

Plain concrete is strong in _____ but weak in _____.

- a. tensile strength; torsion
- b. vertical applications; horizontal applications
- c. compression; shear
- d. pre-tensioning; post tensioning

Answer – C (page 326)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Direct quote from the book that is not contradicted. The book does not define horizontal applications as a weakness for plain concrete.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID: [REDACTED] DATE 3/8/2023

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 51

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, C is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Keyed Answer A is Correct, rescue is given precedence, However
Sometimes the best rescue can be extinguished.

The Book describes tough choices yes. However it is all
Situation determined on the Situation, location of Fire (danger)
where the Victims are. Fire can cut off an escape route
and putting the fire out may be faster/safer and Victims
can shelter in place.

Source: Fire Officer's Handbook of Tactics (5th Ed.) Norman

Question 51 (1 appeal)

When sufficient personnel are not available to effect both rescue and extinguishment at the same time,

- a. rescue must be given precedence.
- b. extinguishment must be given precedence.
- c. both rescue and extinguishment must be treated equally.
- d. no success will be possible until sufficient manpower becomes available.

Answer – A (page 7)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Directly from the book in bold letters as the 1st concept under The General Principles of Firefighting. The appeal does not point to any text that contradicts.

The department response is to sustain the key.



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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 52

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☒ The keyed answer C is not correct. Answer B is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Friction loss has a direct relationship with the length of the hose. On page 100 of the source material "The longer the hose, the greater the friction loss." As the length increases the friction loss increases. The relationship with the diameter of the hose is an indirect relationship. On page 100 "The larger the diameter of the hose, the less the friction loss." As hose diameter increases friction loss goes down. The question asked for the direct relationship therefore only answer choice B "the length of the hose" is correct.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID [REDACTED] DATE 3/7

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 52

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☒ The keyed answer C is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, _____ is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Question 52 states

Friction loss is directly related to

pg 100 of Fire officer's Handbook of tactics

2nd to last paragraph 1st column states

"Friction loss occurs along the length of the hose."

Therefore, if the flow remains constant, the longer the hose, the greater the friction loss. This is a direct relationship"

Question 52 (2 appeals)

Friction loss is directly related to

- a. the diameter of the hose.
- b. the length of the hose.
- c. both a. and b.
- d. neither a. nor b.

Answer – C (page 100)

Department Response: SUSTAIN/ACCEPT; keyed answer (C) is incorrect, only B is correct.

Reasoning: The appeals are correct that hose diameter is not “directly related” to friction loss since friction loss decreases when hose size increases. This, by definition, is an inverse relationship. Also, the text only states that they are related, not directly related. The text does state that there is a “direct relationship” between hose length and friction loss. If question did not contain the word “directly”, then answer C would be correct.

The department response is to accept the appeal; the keyed answer (C) is incorrect, answer B is the only correct answer.



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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED:

56

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, B is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Stack effect is effected by the height of the building And the temperature difference between the outside air and the inside air as illustrated in Figure 18-20 on page 462. Under new style high rise construction on page 460 the author states that these new style high rises are virtually sealed up for efficiency in maintaining a comfortable environment which would in effect cause greater temperature differences between outside air and inside air in newer buildings than would have occurred in older drafty buildings with their windows that can be opened (reference Old style High Rise Construction pg 457 last paragraph) Both taller + newer buildings present more noticeable stack effect.

Continue on back of this form as needed.

Question 56 (1 appeal)

"Stack effect" is the natural movement of air in a building. It is most noticeable in _____ buildings.

- a. older
- b. newer
- c. smaller
- d. taller

Answer – D (page 461)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Question and answer are directly out of the book. The appeal is making assumptions not stated in the source material. The book does not make a connection between newer buildings and more noticeable stack effect. Higher efficiency does not mean great temperature difference, just less energy used to create the environment.

The department response is to sustain the key.



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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 60

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, C is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

According to the question the fire hasn't spread to the attic. The question also doesn't clearly say where the fire is even located. If the fire is in a bedroom and hasn't spread to the attic then yes (A) horizontal ventilation would be appropriate but it never clarifies this. If the fire is on either front or back porches ~~and has~~ it could still not extend to the spaces under the roof. In this example (C) no ventilation would be necessary. The question is too vague leaving multiple ~~answers~~ (A, C) to both be correct options.

Question 60 (1 appeal)

Considering peaked residential roofs, generally, if the fire hasn't extended into the area directly under the roof

- a. then horizontal window ventilation will be sufficient.
- b. then the roof should be opened immediately.
- c. ventilation is not necessary.
- d. then the gable end of the roof should be opened.

Answer – A (page 384)

Department Response: **SUSTAIN/ACCEPT**

Reasoning: Question and answer are directly from the book. Appeal makes assumptions that the fire is possibly an exterior fire. Either way, Answer A is the best choice.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name

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DATE

3-8-23

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 67

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, A is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

The Fact that it does not indicated occupancy of 50 or more. Under 50 any of those examples could fall under Business Occupancies p48



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE _____

APPEAL OF EXAMINATION QUESTION

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EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: #67

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☐ Another answer, A is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

p.50 Assembly Occupancies, as buildings that used for a gathering of 50 or more persons.

p.48 Business Occupancy - general offices, doctors offices, government offices, city halls, municipal office buildings, courthouses, with less than 50 occupants.

The question needed to state whether the occupant load was less than or greater than 50.



Denton Fire Department

Promotional Test Appeal

Name [REDACTED] DFD ID# [REDACTED] DATE 03/09/2023

APPEAL OF EXAMINATION QUESTION

INSTRUCTIONS: Please complete one form for each question you wish to appeal. State clearly what you believe is wrong with the question and provide a reason for your belief. The posted source material is the guide for the accuracy of any question or answer. Please type, print or write legibly. If additional space is needed, go to the bottom of this page.

EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED: 67

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, A is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

• p. 48 "A business occupancy is an occupancy used for the transaction of business other than mercantile". This definition specifically includes "courthouses" in the same paragraph.

• Furthermore, on p. 51, "NFPA 101 defines small assembly uses as those situations where a room or space contained within another type of occupancy is used for assembly purposes by fewer than 50 persons and is incidental to that occupancy" This would logically include a conference room or a courtroom within a courthouse.

• p. 50 shows that there is a specific parameter of 50 or more persons to qualify as an assembly occupancy.

Because no specific occupancy load (e.g. number of persons) was provided in the question, and given the definition of "Business Occupancy" as well as the lack of congruency between "Assembly" and "Small Assembly", it is reasonable to

conclude, based on the text, that choice "A" is also a correct answer choice.

Question 67 (3 appeals)

Museums, Courtrooms, Restaurants, and Conference Rooms are all examples of

_____.

- a. Business Occupancies
- b. Assembly Occupancies
- c. Mercantile Occupancies
- d. Educational Occupancies

Answer – B (page 50)

Department Response: SUSTAIN/ACCEPT multiple answers: A & B are correct.

Reasoning: The question does not state whether the occupancy is greater than or less than 50 which is a key factor in determining between a business occupancy and an assembly.

The department response is to accept the appeal; multiple answers (A & B) are correct.



Denton Fire Department

Promotional Test Appeal

Name

DFD ID#

DATE

3/6/23

APPEAL OF EXAMINATION QUESTION

INSTRUCTIONS: Please complete one form for each question you wish to appeal. State clearly what you believe is wrong with the question and provide a reason for your belief. The posted source material is the guide for the accuracy of any question or answer. Please type, print or write legibly. If additional space is needed, go to the bottom of this page.

EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED:

73

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, C is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

I would like to appeal question 73, in that "contents" of the building is a better answer choice than D. While it is true that the text says "The natural exit access is influenced by the contents and occupancy of the building", the content around this statement is lacking, beginning with Figure 15 on pg. 133. This figure uses a desk (obstruction) as an example of measuring travel distance. "4. Around corners and obstructions with a clearance of 12" (305mm)" Pg. 274 speaks about Safe housekeeping, specifically in "2. Remove obstructions or impediments to egress", and a few sentences later says, "Other occupancies may generate large amounts of trash, waste, or other by-products that need to be removed". Pg. 275 has a "Safety Tips" saying, "obstructed exits also mean obstructed fire department access into and through a building." Pg. 277 says, "Housekeeping issues inside a building can increase the possibilities of ignition by introducing a heat source, producing larger or

Continue on back of this form as needed.

more rapidly developing fires due to the additional fuel loads, or can hamper Occupant egress or firefighting access by blocking exits and aisles." Pg. 279 cites that, "one of the more common problems seen by fire inspectors is storage of combustibles and carts in the egress system, causing obstructions and impediments to prompt exiting in an emergency." Continuing to reference the influence of contents on pg. 125, the text says, "A fundamental principle of Exit access is a free and unobstructed way to the exits." If this is not convincing in itself, pg. 128 gives us "Measurements of Means of Egress" to include how far "handrails" can project into the egress. All of these citations and wording around each does not speak of "occupancy", which is defined as "the intended use of a building." While occupancy of the building is an influence, the contents of the book does not specify and is unable to expand. This is why I propose accepting both "C" and "D" as correct answers.

Question 73 (1 appeal)

The natural exit access (path of travel) within a building is influenced by the _____.

- a. age of the building
- b. occupancy of the building
- c. contents of the building
- d. both answers b. and c. are correct

Answer – D (page 133)

Department Response: **SUSTAIN**/ACCEPT

Reasoning: Question is directly from the source material. D is the best answer.

The department response is to sustain the key.



Denton Fire Department

Promotional Test Appeal

Name

DFD ID#

DATE

3/7/23

APPEAL OF EXAMINATION QUESTION

INSTRUCTIONS: Please complete one form for each question you wish to appeal. State clearly what you believe is wrong with the question and provide a reason for your belief. The posted source material is the guide for the accuracy of any question or answer. Please type, print or write legibly. If additional space is needed, go to the bottom of this page.

EXAMINATION TITLE: **Fire Driver**

TEST QUESTION # APPEALED:

82

EXAMINATION DATE: **March 2, 2023**

DEPARTMENT ADMINISTERING EXAM: **Fire**

General nature of objection: (Check one of the following and explain fully below.)

- ☐ The keyed answer _____ is not correct. Answer _____ is the correct answer and should be allowed for credit instead of the keyed answer.
- ☒ Another answer, B is correct in addition to the keyed answer. Both answers should be graded correct.
- ☐ The question is faulty because there is no correct answer among the choices. All answers should be graded correct.

Reason(s) supporting your appeal: (If appropriate, give the page number of the source that supports your claim.)

Page 71 under the heading "Route Selection" is proof that "civilian traffic patterns" should also be graded correct in addition to "human dynamics". The entire two paragraphs explain that, "A short time spent planning your route before leaving may save you time and will certainly make your response safer." It also gives an example that "during early morning commutes, traffic traveling towards the center of town may be heavier than traffic moving in the opposite direction". The text also speaks of using a GPS to avoid traffic. "Ensure the route the device recommends is not compromised by construction, heavy traffic, or some other unforeseen local complication." Thank you for your time and consideration.

Question 82 (1 appeal)

In addressing transport safety, the questions must not focus solely on vehicle dynamics but must consider also:

- a. human dynamics.
- b. civilian traffic patterns.
- c. age of roads.
- d. dispatch protocols.

Answer – A (page 3)

Department Response: SUSTAIN/ ACCEPT multiple answers: A & B are correct.

Reasoning: While the question is a direct quote from the book, page 71 does contain text regarding traffic having an effect on safety. The sentence used was a poor choice to use as a test question. It is transitioning from vehicle dynamics to human behaviors and doesn't encompass all subjects that are important to safety.

The department response is to accept the appeal; multiple answers (A & B) are correct.