

Strategic and Tactical Considerations on the Fireground, 4e (Smith)
Chapter 1 Preparation

1) _____ fires are those involving combustible metals like aluminum, magnesium, titanium, and sodium.

- A) Class A
- B) Class B
- C) Class D
- D) Class C

Answer: C

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2) There are a number of methods for heat to be transferred; the process by which heat is transferred by gas or liquid is known as:

- A) thermal.
- B) radiation.
- C) conduction.
- D) convection.

Answer: D

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3) Ignition of combustibles in an area heated by convection, radiation, or a combination of the two can result in which of the following?

- A) Rollover
- B) Back draft
- C) Ignition point
- D) Flashover

Answer: D

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4) Which of the following would be an imminent sign of flashover?

- A) Intense heat
- B) Free-burning fire
- C) Unburned article starting to smoke
- D) All of the above

Answer: D

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5) A _____ is when a fuel-rich atmosphere is pushed in front of a fire by the thermal column of heat from the fire.

- A) back draft
- B) flashover
- C) rollover
- D) fully developed stage

Answer: C

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6) The odorless, colorless gas commonly encountered by firefighters at every fire is:

- A) carbon monoxide.
- B) sodium oxide.
- C) hydrochloric acid.
- D) cyanide.

Answer: A

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7) Which of the following are benefits of training?

- A) New firefighters learn basic skills.
- B) It prepares firefighters to assume more responsibility.
- C) It frees the officer from interruption by unnecessary workers' questions.
- D) All of the above

Answer: D

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8) Which of the following BEST describes preincident planning?

- A) Preincident planning requires completion within the statutory four-year limit.
- B) Preincident planning provides information.
- C) Preincident planning's sole function is to anticipate potential problems .
- D) Preincident planning is part of the incident command system.

Answer: B

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9) Whose responsibility is it to do preplanning?

- A) The fire chief
- B) The company officer
- C) The firefighter
- D) All of the above

Answer: D

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10) Which of the following would NOT be considered a "target hazard" in your first due district?

- A) Refinery
- B) Supermarket
- C) Single-family dwelling
- D) County prison

Answer: C

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11) Preplanned data are typically stored in each of the following manners EXCEPT which one?

- A) Index cards
- B) Booklet form
- C) Individual notepads
- D) Palm-sized or handheld computer

Answer: C

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12) A needed fire flow formula that provides quick calculations was developed by the:

- A) Insurance Services Organization.
- B) National Fire Protection Association.
- C) National Fire Academy.
- D) Oklahoma Fire Service Training.

Answer: C

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13) In multistory structures, if other floors in a building are not yet involved but are threatened by possible extension of the fire, they should be considered as interior exposures. How much extra should be calculated when determining fire flow?

- A) 25 percent of the required fire flow of the fire floor should be added for each exposed floor above the fire floor.
- B) 35 percent of the required fire flow of the fire floor should be added for each exposed floor above the fire floor.
- C) An additional 400 GPM
- D) No consideration is given to noninvolved areas.

Answer: A

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14) If exterior structures are being exposed to fire from the original fire building, how much of the actual required fire flow for the fire building should be added to provide protection for each side of the building that has exterior exposures?

- A) 25 percent
- B) 50 percent
- C) 75 percent
- D) 850 gpm, if fully involved

Answer: A

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15) Which of the following is NOT considered a chief officer?

- A) Battalion chief
- B) Company officer
- C) District chief
- D) Division chief

Answer: B

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16) What management tool is used to develop subordinates, not as a method of avoiding work?

- A) Initiative
- B) Delegation
- C) Assignment
- D) Direction

Answer: B

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17) Which of the following would NOT be considered a part of command presence?

- A) Give deliberate orders.
- B) Shout orders.
- C) Recognize potential problems.
- D) Have control over themselves.

Answer: B

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18) Who established the 16 Firefighter Life Safety Initiatives?

- A) National Fire Academy
- B) National Fire Protection Association
- C) International Fire Service Training Association
- D) National Fallen Firefighters Foundation

Answer: D

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