

## Refresher AFF Exit exam Questions and Answers PDF

Here are 30 multiple-choice questions (MCQs) related to "Advance Fire Fighting" with four options for each question. The correct answer for each question is indicated with an asterisk (\*).

Question 1:

What is the primary purpose of boundary cooling in advanced firefighting?

- A) To prevent fire spread to adjacent compartments
- B) To increase the temperature inside the compartment
- C) To create a controlled burn
- D) To reduce water usage

Answer:

- A) To prevent fire spread to adjacent compartments\*

Question 2:

In advanced firefighting, what is the purpose of a thermal imaging camera?

- A) Measure water pressure
- B) Detect hidden fires or hotspots
- C) Monitor smoke levels
- D) Evaluate structural damage

Answer:

- B) Detect hidden fires or hotspots\*

Question 3:

Which firefighting nozzle is designed to produce a fog pattern?

- A) Smooth bore nozzle
- B) Aerated foam nozzle
- C) Fog nozzle
- D) Automatic nozzle

Answer:

- C) Fog nozzle\*

Question 4:

What is the purpose of using foam in firefighting?

- A) Increase the temperature of the fire
- B) Enhance visibility within the compartment
- C) Suppress flammable vapors and create a barrier
- D) Provide electrical insulation

Answer:

- C) Suppress flammable vapors and create a barrier\*

Question 5:

In advanced firefighting, what does the term "re-flash" refer to?

- A) Restarting a fire after suppression
- B) Flashover phenomenon
- C) Flashback of flames
- D) Radiant heat transfer

Answer:

- A) Restarting a fire after suppression\*

Question 6:

What is the primary function of a fire axe in advanced firefighting?

- A) Cutting ventilation holes in the structure
- B) Breaking glass windows
- C) Forcible entry and rescue operations
- D) Spraying water on the fire

Answer:

- C) Forcible entry and rescue operations\*

Question 7:

In firefighting, what does the term "flashover" indicate?

- A) Rapid fire spread on vertical surfaces
- B) Sudden ignition of flammable gases
- C) Simultaneous ignition of all combustible materials in a space
- D) Fire extinguishment

Answer:

- C) Simultaneous ignition of all combustible materials in a space\*

Question 8:

Which firefighting equipment is used to create an inert atmosphere in enclosed spaces?

- A) Thermal imaging camera
- B) Positive pressure ventilation fan
- C) Portable foam generator
- D) Inert gas system

Answer:

- D) Inert gas system\*

Question 9:

What is the primary role of a fire blanket in firefighting?

- A) Smothering small fires on individuals
- B) Providing insulation for firefighters

- C) Generating foam for fire suppression
- D) Creating a barrier against radiant heat

Answer:

- A) Smothering small fires on individuals\*

Question 10:

In advanced firefighting, what is the purpose of a fire hydrant?

- A) Supply water to firefighting hoses
- B) Extinguish fires with chemical agents
- C) Create a thermal barrier
- D) Provide emergency lighting

Answer:

- A) Supply water to firefighting hoses\*

Question 11:

What is the primary function of a fire hose in advanced firefighting?

- A) Detecting heat signatures
- B) Supplying water to firefighting nozzles
- C) Cutting through metal structures
- D) Smothering flames

Answer:

- B) Supplying water to firefighting nozzles\*

Question 12:

In advanced firefighting, what does the term "BLEVE" stand for?

- A) Boiling Liquid Evaporation Vortex Effect
- B) Boiling Liquid Expanding Vapor Explosion
- C) Bursting Liquid Emission Valve Explosion
- D) Burning Liquid Exhaust Ventilation Equipment

Answer:

- B) Boiling Liquid Expanding Vapor Explosion\*

Question 13:

What is the purpose of a fire extinguisher in advanced firefighting?

- A) Create a thermal barrier
- B) Remove smoke from the compartment
- C) Extinguish small fires
- D) Cut through metal structures

Answer:

- C) Extinguish small fires\*

Question 14:

In firefighting, what does the term "conduction" refer to?

- A) Transfer of heat through a fluid
- B) Transfer of heat through direct contact
- C) Ignition of flammable gases
- D) Rapid fire spread on vertical surfaces

Answer:

- B) Transfer of heat through direct contact\*

Question 15:

What is the purpose of a fireproof suit in advanced firefighting?

- A) Enhance visibility
- B) Provide insulation against extreme temperatures
- C) Detect hidden fires
- D) Apply firefighting foam

Answer:

- B) Provide insulation against extreme temperatures\*

Question 16:

In advanced firefighting, what does the term "deflagration" mean?

- A) Rapid fire spread on vertical surfaces
- B) Slow combustion of materials
- C) Sudden ignition of flammable gases
- D) Explosion with a subsonic flame front

Answer:

- D) Explosion with a subsonic flame front\*

Question 17:

Which firefighting nozzle is commonly used for applying foam?

- A) Smooth bore nozzle
- B) High-velocity nozzle
- C) Fog nozzle
- D) Piercing nozzle

Answer:

- C) Fog nozzle\*

Question 18:

In firefighting, what does the term "backdraft" indicate?

- A) Explosive ignition of flammable gases
- B) Rapid fire spread on vertical surfaces

- C) Sudden release of inert gas
- D) Sudden ignition after introduction of oxygen

Answer:

- D) Sudden ignition after introduction of oxygen\*

Question 19:

What is the purpose of a fire axe in advanced firefighting?

- A) Cutting ventilation holes in the structure
- B) Providing insulation for firefighters
- C) Forcible entry and rescue operations
- D) Spraying water on the fire

Answer:

- A) Cutting ventilation holes in the structure\*

Question 20:

In firefighting, what does the term "charring" refer to?

- A) Rapid fire spread on vertical surfaces
- B) Creation of a thermal barrier
- C) Partial burning or scorching of materials
- D) Ignition of flammable gases

Answer:

- C) Partial burning or scorching of materials\*

Question 21:

What is the primary function of a fire alarm system on a ship?

- A) Extinguish fires automatically
- B) Alert crew members of a fire emergency
- C) Provide insulation for firefighters
- D) Detect hidden fires or hotspots

Answer:

- B) Alert crew members of a fire emergency\*

Question 22:

In advanced firefighting, what does the term "boundary cooling" involve?

- A) Increasing the temperature inside the compartment
- B) Creating a controlled burn
- C) Reducing water usage during firefighting
- D) Preventing fire spread to adjacent compartments

Answer:

- D) Preventing fire spread to adjacent compartments\*

Question 23:

What is the purpose of a fire door in firefighting?

- A) Enhance visibility within the compartment
- B) Provide insulation for firefighters
- C) Create a barrier against radiant heat
- D) Prevent fire spread between compartments

Answer:

- D) Prevent fire spread between compartments\*

Question 24:

In advanced firefighting, what does the term "heat release rate" measure?

- A) Speed of fire spread on vertical surfaces
- B) Temperature inside the compartment
- C) Amount of heat released per unit of time
- D) Effectiveness of firefighting foam

Answer:

- C) Amount of heat released per unit of time\*

Question 25:

What is the primary role of a fire monitor in firefighting?

- A) Monitoring crew actions during a fire emergency
- B) Providing emergency lighting
- C) Delivering a high-volume water stream
- D) Detecting hidden fires or hotspots

Answer:

- C) Delivering a high-volume water stream\*

Question 26:

In advanced firefighting, what does the term "scba" stand for?

- A) Submersible Cooling Barrier Apparatus
- B) Self-Contained Breathing Apparatus
- C) Smoke Control and Barrier Assembly
- D) Submersible Cooling and Breathing Apparatus

Answer:

- B) Self-Contained Breathing Apparatus\*

Question 27:

What is the purpose of a fire pump in advanced firefighting?

- A) Increase the temperature inside the compartment
- B) Supply water to firefighting hoses

- C) Provide insulation for firefighters
- D) Create a thermal barrier

Answer:

- B) Supply water to firefighting hoses\*

Question 28:

In firefighting, what does the term "piercing nozzle" refer to?

- A) Nozzle designed for applying foam
- B) Nozzle for creating a fog pattern
- C) Nozzle for penetrating walls or barriers
- D) Nozzle for delivering a high-velocity water stream

Answer:

- C) Nozzle for penetrating walls or barriers\*

Question 29:

What is the purpose of a fire detection system on a ship?

- A) Extinguish fires automatically
- B) Provide insulation for firefighters
- C) Detect and alert of a fire emergency
- D) Increase the temperature inside the compartment

Answer:

- C) Detect and alert of a fire emergency\*

Question 30:

In advanced firefighting, what does the term "smoke curtain" involve?

- A) Creating a barrier against radiant heat
- B) Reducing visibility for firefighting operations
- C) Rapid fire spread on vertical surfaces
- D) Smothering flames

Answer:

- B) Reducing visibility for firefighting operations\*

These questions cover various aspects related to "Advance Fire Fighting." If you have any specific areas you'd like more questions on or if there's anything else I can help you with, feel free to let me know!