

# FAE (FIRE APPARATUS ENGINEER) ILLINOIS EXAM 2024 QUESTIONS WITH CORRECT ANSWERS

The speedometer on an apparatus is primarily used to show speed but may also indicate - CORRECT ANSWER>>>>the pump is turning

To calculate friction loss in 2 1/2" fire hose when the flow is near 100 gpm, which of the following formulas should be used? - CORRECT ANSWER>>>> $FL = CQ(2)L$

The pressure remaining once water has begun flowing is known as \_\_\_\_\_ pressure. - CORRECT ANSWER>>>>residual

When the flow through a hose line increases from 100 gpm to 400 gpm, the friction loss increases \_\_\_\_\_ times. - CORRECT ANSWER>>>>16

the recommended pressure for a standard fog nozzle is - CORRECT ANSWER>>>>100 PSI

The foam application technique that directs the foam stream on the ground near the front edge of a burning liquid pool or spill is the: - CORRECT ANSWER>>>>roll on method

Master stream nozzles are: - CORRECT ANSWER>>>>Either solid or fog streams

\_\_\_\_\_ consist of small return (bypass) water line connected from the discharge side of the pump back to the intake side of the pump - CORRECT ANSWER>>>>around the pump proportioners

which type of nozzle is very effective when fighting a fire in a basement or cellar - CORRECT ANSWER>>>>distributors nozzle

if the inlet pressure to the eductor is too high - CORRECT ANSWER>>>>foam may not be inducted

when lowering a barrel strainer into the water, it should have \_\_\_\_\_ inches of water in all directions - CORRECT ANSWER>>>>24

an increase in vacuum while drafting may indicate - CORRECT ANSWER>>>>a clogged strainer

# Illinois Fire Apparatus Engineer Study Guide

**M Woodhall**



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