

**FLORIDA STATE FIRE INSPECTOR EXAM 2023-2024
ACTUAL EXAM 220 QUESTIONS AND CORRECT
DETAILED ANSWERS WITH RATIONALES (VERIFIED
ANSWERS) | A GRADE**

Extinguishers weighing more than 40lbs must have the top no higher than? - ANSWER- **3.5 feet**

Extinguishers weighing more than 40 lbs must be no closer than ____ to the floor - ANSWER- **4 inches**

At what height does rack storage require sprinklers within the racks? - ANSWER- **25 feet**

When should fire pumps be tested? - ANSWER- **Weekly**

What is a clapper valve - ANSWER- **A valve that opens when the system flows water allowing water from the supply side and also opens the piping to the retard chamber**

What is a check valve? - ANSWER- **A valve used to limit the flow of water to one direction**

When is a Pre-Action system used? - ANSWER- **When it is especially important that the water damage be prevented even when the sprinkler pipe breaks accidentally.**

A heat detector that uses two types of metal that have different head expansion ratios - ANSWER- **Bi-metallic Detector**

How often should extinguishers be hydrostatically tested - ANSWER- **Every 5 years for most extinguishers**

How often should Dry Chemical extinguishers be hydrostatically tested? - ANSWER- **Every 12 years (one less than 150lbs with a steel shell)**

What is typically the slowest type of detection system? - ANSWER- **Head detectors (very reliable)**

Who tests Dry Chemical extinguisher systems - ANSWER- **A reputable contractor**

When should Wet System Extinguisher systems be tested? - ANSWER- **Monthly (by in-plant inspector)**

What is an axial load? - ANSWER- **A load that is perpendicular to the plane of the section.**

A structure will sustain its greatest load the the load is ? - ANSWER-
Axial (load)

How tall is the typical platform-frame construction building? -
ANSWER- **3 stories**

When heated to 1000F, steel will expand how much per 100feet? -
ANSWER- **9-9.5 inches. 0.6-0.7"/10ft per 100 degrees**

What is the usual height limit for Garden Apartments? - ANSWER-
three stories

What temperature is an ordinary sprinkler head rated at - ANSWER-
165F

What is fine aggregate usually made of? - ANSWER- **Sand**

What is a draw back for sand/lime mortar - ANSWER- **It is water
soluble (this type of mortar)**

What is the outer weather surface placed over sheathing called? -
ANSWER- **Siding**

What type of construction with exterior weight bearing walls has a 1
hour fire resistance rating - ANSWER- **Ordinary Construction**