

**FIRE EQUIPMENT OPERATOR
STUDY GUIDE**

A written examination for the class of **FIRE EQUIPMENT OPERATOR** will consist of **112** multiple-choice questions. The examination will test job knowledge relative to this class in the following subject areas:

| SUBJECT AREA/KNOWLEDGE | % OF EXAM |
|---|------------------|
| <p>OPERATING EMERGENCY VEHICLES Knowledge of the practices and procedures necessary for the operation of fire department apparatus, including observing the principles of defensive driving and all applicable traffic regulations and other policies relating to vehicular operation during emergency and non-emergency situations; and knowledge of the procedures for the positioning of apparatus and equipment for efficient operations.</p> | 12.0% |
| <p>FIRE DEPARTMENT PUMPING APPARATUS/OPERATIONS Knowledge of the practices and procedures necessary for the operation of pumping apparatus, equipment, instruments, and gauges including connecting to and supplying water from various sources such as pumpers, tankers, distribution systems, and static sources; setting up, maintaining and supporting relay operations; providing support to sprinkler and standpipe systems; and following appropriate procedures to prevent damage to the distribution system, fire apparatus, pump, and equipment.</p> | 51.0% |
| <p>HYDRAULICS Knowledge of the practices and procedures in pumping operations sufficient to determine adequate intake and discharge pressures, and to calculate friction loss and water flow; and knowledge of the procedures for the proper uses and applications of nozzles and appliances.</p> | 21.0% |
| <p>HOSES Knowledge of the practices and procedures necessary for the proper use, care, and storage of fire hose, including hose selection, hose lays, hose loads, and hose maintenance and repair.</p> | 6.0% |
| <p>TOOLS AND EQUIPMENT Knowledge of the practices and procedures necessary for the proper and safe utilization and maintenance of fire service tools and equipment, including protective breathing apparatus, ladders, and portable fire extinguishers.</p> | 7.0% |
| <p>FIRE SERVICE FIRST AID PRACTICES Knowledge of the practices and procedures for providing basic emergency care for injury and/or sudden illness, including shock, burns, broken bones, fractures or sprains, bleeding, wounds or abrasions, and respiratory or heart failure.</p> | 3.0% |

REFERENCE MATERIAL

While the entire list of reference materials will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from these references listed below.

PUMPING APPARATUS DRIVER/OPERATOR, IFSTA, Fire Protection Publications, Oklahoma State University, Stillwater Oklahoma, 2nd ed., 2006.

(FIRE) HOSE PRACTICES, IFSTA, Fire Protection Publications, Oklahoma State University, Stillwater, Oklahoma, 8th ed., 2004.

ESSENTIALS OF FIREFIGHTING, IFSTA, Fire Protection Publications, Oklahoma State University, Stillwater, Oklahoma, 6th ed., 2013.

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, this study guide has been provided as a service to assist applicants in preparing for an examination. The State Examiner's Office has no control over the local availability of reference material nor do we feel constrained to limit examination questions to only that material which is available locally.