

**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:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<p><b>OPERATING EMERGENCY VEHICLES</b></p> <p>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%
<p><b>FIRE DEPARTMENT PUMPING APPARATUS/OPERATIONS</b></p> <p>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%
<p><b>HYDRAULICS</b></p> <p>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%
<p><b>HOSES</b></p> <p>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%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<b>TOOLS AND EQUIPMENT</b>  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.	7%
<b>FIRE SERVICE FIRST AID PRACTICES</b>  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.	3%

### REFERENCE LIST

The following references/publications were used to source or develop the majority of the test items included in this examination:

#### PRIMARY REFERENCE MATERIAL

#### INTERNATIONAL FIRE SERVICE TRAINING ASSOCIATION (IFSTA)/FIRE PROTECTION PUBLICATIONS (Training Manuals)

- Essentials of Firefighting, 5th ed., 2008.
- Pumping Apparatus Driver/Operator Handbook, 2<sup>nd</sup> ed., 2006.
- (Fire) Hose Practices, 8th ed., 2004.
- Fire Service First Responder, 2000.
- Fire Service Ground Ladder Practices, 9th ed., 1996.
- Fire Department Safety Officer, 1<sup>st</sup> ed., 2001.
- Fire Detection and Suppression Systems, 3<sup>rd</sup> ed., 2005.

**LOUISIANA HIGHWAY REGULATORY LAW**, Louisiana Revised Statutes, Title 32:01 et seq.

**Note: Portions pertaining to emergency vehicle operation.**

**WHERE TO OBTAIN:**

**INTERNATIONAL FIRE SERVICE TRAINING ASSOCIATION (IFSTA)/FIRE PROTECTION PUBLICATIONS** (Training Manuals):

**LOCAL DISTRIBUTOR** (For Quickest Service Possible):

FIREMEN TRAINING PROGRAM  
Louisiana State University/  
Division of Continuing Education  
6868 Nicholson Drive  
Baton Rouge, LA 70820  
**Phone # (504) 766-0600**

**OR**

**PUBLISHER** (Allow 3-4 Weeks for Delivery):

IFSTA  
FIRE PROTECTION PUBLICATIONS  
Oklahoma State University  
Stillwater, OK 74078  
**Toll Free Phone # 1-800-654-4055**

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS:**

NATIONAL FIRE PROTECTION ASSOCIATION  
Publications Sales Department  
Batterymarch Park  
Quincy, MA 02269  
**Toll Free Phone # 1-800-344-3555**

**CURRENT EDITIONS:**

This office makes every effort to obtain the most recent editions of all IFSTA, NFPA and other recommended publications. Since this list indicates only the latest material available when the list was compiled or revised, each Fire Department and Fire Protection District should also strive to keep its reference, study, and training material updated.

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, such material has been provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally.