

**CHIEF FIRE APPARATUS TECHNICIAN
STUDY GUIDE**

A written examination for the class of **CHIEF FIRE APPARATUS TECHNICIAN** to be administered in **BATON ROUGE** on **AUGUST 31, 2015**, will consist of approximately **100** multiple-choice questions. The examination will test your knowledge in the following subject areas:

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<p>AUTOMOTIVE SYSTEMS</p> <p>Knowledge of suspension and brake systems sufficient to perform maintenance, make repairs, or adjust the systems when needed. Knowledge of cooling systems sufficient to perform maintenance and repairs when needed. Knowledge of drive train, electrical, and fuel systems sufficient to perform maintenance, repairs or adjustments to the systems when needed.</p>	22.0%
<p>ENGINE MECHANICS</p> <p>Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repairs.</p>	8.0%
<p>GENERAL AUTOMOTIVE MAINTENANCE AND REPAIRS</p> <p>Knowledge of automobiles and automotive maintenance instruments sufficient to diagnose and determine what repairs are needed and how to perform these repairs and other general maintenance tasks.</p>	11.0%
<p>MAINTENANCE AND REPAIR OF PORTABLE EQUIPMENT</p> <p>Knowledge of fire apparatus sufficient to perform maintenance and repair, including pumps, portable generators, water delivery systems, aerial ladders, and hydraulic systems.</p>	8.0%
<p>MANAGING EQUIPMENT/PROPERTY/SUPPLIES</p> <p>Knowledge of the management, maintenance, and purchasing of equipment, property, and supplies, including inventory control, and evaluating specifications for new equipment.</p>	7.0%
<p>SUPERVISION</p> <p>Knowledge of the practices and techniques used in effective supervision in order to plan, organize, direct, and evaluate the work of subordinates, to train subordinates, to resolve conflicts, and to maintain discipline.</p>	33.0%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
AUTOMOTIVE MAINTENANCE SERVICE MANAGEMENT Knowledge of the principles of effective automotive maintenance service management in order to perform required duties; evaluate division operations; and supervise the preparation and maintenance of division records.	11.0%

REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

PRIMARY REFERENCE MATERIAL

MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2014.

EFFECTIVE SUPERVISORY PRACTICES, International City Management Association (ICMA), 1120 G Street, N.W., Washington, D.C. 20005, 4th ed., 2005.

NOTE: Obtain through LSU Firemen Training Program or IFSTA Fire Protection Publications.

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 will be 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. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.

