

**ASSISTANT CHIEF FIRE APPARATUS TECHNICIAN  
STUDY GUIDE**

A written examination for the class of **ASSISTANT CHIEF FIRE APPARATUS TECHNICIAN** to be administered in **BATON ROUGE** on **APRIL 26, 2016**, will consist of approximately 105 multiple-choice questions. The examination will test your knowledge in the following subject areas:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<p><b>SUSPENSION AND BRAKE SYSTEMS</b></p> <p>Knowledge of suspension and brake systems sufficient to perform maintenance, make repairs, or adjust the systems when needed.</p>	12.4%
<p><b>AIR COOLING SYSTEMS</b></p> <p>Knowledge of air cooling systems sufficient to perform maintenance and repair when needed.</p>	5.7%
<p><b>DRIVE TRAIN/LUBRICATING/ELECTRICAL/FUEL SYSTEMS</b></p> <p>Knowledge of drive train, lubricating, electrical, exhaust and emissions, and fuel systems sufficient to perform maintenance, repairs or adjustments to the system when needed.</p>	23.8%
<p><b>ENGINE MECHANICS</b></p> <p>Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repair.</p>	11.4%
<p><b>GENERAL AUTOMOTIVE MAINTENANCE /INSPECTION/REPAIR OF EQUIPMENT</b></p> <p>Knowledge of general automotive equipment sufficient to troubleshoot, and diagnose the problem; and repair malfunctioning components; including inspecting and repairing equipment, arranging for the equipment repair, delivering and picking up the equipment after repair as well as inspecting equipment after repair to assure that the repair is properly accomplished, and organizing and storing department equipment and supplies to allow for ease of locating and retrieving.</p>	18.1%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<p><b>RECORDS / REPORTS</b></p> <p>Knowledge of effective records-keeping practices, including completing forms and records as required, and knowledge of effective report preparation procedures, including the ability to compose complete sentences, use correct grammar and punctuation, and organize ideas in a logical sequence.</p>	5.7%
<p><b>SUPERVISION</b></p> <p>Knowledge of the practices and techniques used in effective supervision in order to assign work or duty areas to subordinates; and to approve leave.</p>	11.4%
<p><b>MAINTENANCE AND REPAIR OF PORTABLE EQUIPMENT</b></p> <p>Knowledge of fire apparatus sufficient to perform maintenance and repair, including pumps, water delivery systems, aerial ladders, and hydraulic systems.</p>	11.4%

### 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.