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**TEST INFORMATION GUIDE**

This test information guide provides a summary of concepts that are tested on the written (multiple choice) examination for the **Refrigeration & Air Conditioning Repairer** job. This information can be reviewed in combination with the class specification and examination announcement to assist you in preparing for the examination.

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**REFRIGERATION & AIR CONDITIONING REPAIR & INSTALLATION (50 Questions)**

Employees in this job perform skilled work in the installation, maintenance and repair of refrigeration and air conditioning equipment. Employees must be knowledgeable of the tools, equipment and standards practices of the trade. They must also be able to read, interpret and work from drawings and sketches and prepare work and equipment condition reports. Test question topics include:

- Refrigerant properties;
- Troubleshooting various refrigeration systems;
- Working with various refrigeration systems (e.g., compression; water-cooled; absorption; direct-expansion);
- Primary elements of a refrigeration system;
- Improving the efficiency of refrigeration systems;
- Common causes of refrigeration compressors;
- Tools & equipment used in refrigeration system repair and installation (e.g., psychrometer; anemometer; manometer; etc.);
- Optimum location of thermostats;
- Air system duct work.