

C-20: Warm-Air Heating, Ventilation, and Air-Conditioning

Course Materials

Each student enrolled in the HVAC course should be issued:

- HVAC ("C-20") Manual
- Audio/Video Lectures:
 - Math Review
 - HVAC (C-20)
 - HVAC Review Questions
 - Health and Safety
- HVAC Practice Exams:
 - C-20 Test 1
 - C-20 Test 2
 - C-20 Test 3
 - C-20 Update
- C-20 HVAC Contractor's Computer-Assisted Practice Tests

General Information

The HVAC Manual briefly covers the major topics of the State exam including Properties of Air and Water, Psychrometric Charts, Basic HVAC Formulas, Basic Electrical Formulas, Electrical and Insulating Materials, Soldering and Brazing, Electric Motors, Fuels and Refrigerants, Mechanical Refrigeration, Solar Energy, and Plan and Circuit Symbols. The manual also contains summaries of the Uniform Mechanical Code. The last section of the HVAC Manual covers the Health and Safety Orders.

The Math Review Lecture covers the math formulas in the first part of the HVAC manual. The HVAC (C-20) lecture cover the topics addressed in the manual specific to the C-20 trade exam. The Health and Safety Lecture covers the Health and Safety Orders at the end of the HVAC manual. The HVAC Review Questions Lecture covers the HVAC Review Questions in the back of the manual.

Please be sure that your students study **all** of the practice exams. It is important to read and understand each question, and read every word of the explanations. It is necessary to learn the *principles* behind the question because the State's questions may be worded differently.

The C-20 HVAC Contractor's Computer-Assisted Practice Tests are supplied on a computer disk which will load a software program on the student's computer. The program presents questions one at a time, automatically scores the exam, presents the student with a grade, and lists each question answered incorrectly along with the correct answer.