CABINETMAKING

Test Code: 5905
Version: 01

Specific Competencies and Skills Tested in this Assessment:

Safety
Apply shop and personal safety rules and procedures, including appropriate PPEs
Identify minor first aid treatment procedures
Apply fire and electrical safety rules and procedures
Identify MSDS related issues and information

Design and Layout
Interpret blueprints and specifications
Prepare or interpret shop drawings/rough sketches
Prepare or interpret detailed drawings
Prepare a cut list or bill of material
Identify and meet industry standards
Identify types of joints and their uses

Estimating and Measuring
Read scales and measurements
Calculate quantities
Estimate labor and material costs

Hand and Portable Power Tools
Identify or demonstrate proper use and function of portable power cutting tools
Identify or demonstrate proper use and function of fastening tools
Identify or demonstrate proper use and function of portable sanders
Identify or demonstrate proper use and function of portable routers
Identify or demonstrate proper use and function of hand tools
Identify or demonstrate proper use and function of portable drills and drivers
Cabinetmaking (continued)

**Stationary Saws**
Identify or demonstrate proper use of stationary saws
Remove and replace stationary saw blades

**Boring Machines**
Identify or demonstrate proper use of boring machines
Select and use appropriate boring machine bits

**Milling**
Identify or demonstrate proper use of planers and jointers
Identify or demonstrate proper use of shapers and stationary routers
Identify or demonstrate proper use of wood lathes
Identify or demonstrate proper use of stationary sanders
Prepare rough stock

**Assembly**
Identify and demonstrate methods of case construction
Identify and assemble joints
Identify and demonstrate methods of face frame construction
Identify and assemble various styles of door construction
Identify and assemble various types of drawer construction
Apply laminates, veneers, and countertops
Select and install hardware and accessories
Identify and use various fasteners

**Finishing**
Identify and apply various finishing materials
Safely use and store finishing materials
Safely use finishing tools and equipment

**Installation**
Install a base cabinet
Install a wall cabinet
Identify industry standards for installation
Cabinetmaking (continued)

Written Assessment:

Administration Time:  3 hours
Number of Questions:  151

Areas Covered:

8%  Safety
13%  Design and Layout
7%  Estimating and Measuring
15%  Hand and Portable Power Tools
7%  Stationary Saws
5%  Boring Machines
9%  Milling
22%  Assembly
7%  Finishing
7%  Installation

Sample Questions:

To prevent lumber from falling when stacked,
   A. make one large stack
   B. put heavy weights on top of the stack
   C. cross-stack, block, or tier the stack
   D. tie the stack down with rope

A compound miter is cut on a power miter saw by
   A. turning the blade and stock to the correct angle
   B. turning only the arm to the correct angle
   C. tilting the motor unit and turning the arm to the correct angles
   D. tilting only the motor unit

A scale is an instrument with all increments
   A. longer than needed
   B. shortened to proportion
   C. shortened to length of project
   D. longer than length of project

To turn a straight cylinder on the lathe,
   A. use a roughing gouge and a skew chisel
   B. use only a parting tool
   C. size a rough cylinder with a round nose and calipers
   D. use only a round-nose chisel
Cabinetmaking (continued)

To receive the bottom, the cabinet end panels are usually
A. dadoed  
B. grooved  
C. rabbeted  
D. splined

Performance Assessment:

Administration Time:  3 hours, 20 minutes
Number of Jobs:       3

Areas Covered:

24%  Develop a Cut List
Rail A, B, and C, stiles, drawer face, drawer box sides, drawer box front and back, drawer bottom, and time to complete job.

34%  Layout, Cut, and Assemble Face Frame
Planning (use of materials), selection and use of tools/equipment, mitered biscuit joint, pocket screw, mortise and tenon, dowel pin, width of completed project, height of completed project, rail spacing of completed project, diagonal dimensions of completed project, and time to complete job.

42%  Layout and Assemble One Drawer
Planning (use of materials), selection and use of tools/equipment, hand operations, cutting and shaping, drawer box width of completed project, height of completed project, depth of completed project, drawer box length of completed project, diagonal dimensions of completed project, laminate of completed project, overall appearance of completed project, and time to complete job.

Sample Job:  Develop a Cut List

Maximum Job Time:  20 minutes

Participant Activity:  The participant is to use the shop drawings provided as the source of all dimensions and information, and complete the Cut List.