Technical Drafting

Test Code: 8623
Version: 01

Specific competencies and skills tested in this assessment:

Architecture and Construction
The student will be able to demonstrate knowledge of applied mathematics

Technical Drafting
The student will develop a technical drawing using orthographic projection
The student will develop technical drawings using standard sectional views
The student will demonstrate the use of auxiliary views
The student will demonstrate knowledge of and create pictorial drawings (isometric, oblique)
The student will operate printers, plotters, and scanners (including 3-D printers where applicable)
Written Assessment:

Administration Time: 2 hours
Number of Questions: 64

Areas covered:

22% Architecture and Construction
78% Technical Drafting

Sample Questions:

The tray is 3/8 full of products. What part of the tray contains products?
A. 0.225
B. 0.275
C. 0.325
D. 0.375

When sketching straight lines the eyes should be on
A. the end point of the line
B. the starting point of the line
C. the tip of the pencil
D. just ahead of the pencil

The enlargement of the end of a hole to a specified diameter and depth is called
A. counter bore
B. ream
C. counter sink
D. counter drill

What do the arrowheads at the end of the cutting plane line indicate?
A. location of the section drawing
B. angle the section lines will be drawn
C. scale of the section view
D. viewing direction of the section

The process of constructing three-dimensional objects using two-dimensions is
A. orthographic projection
B. section projection
C. schematic drawing
D. projection technique