INTEGRATED PRODUCTION TECHNOLOGIES – COURSE 3

Test Code: 9038  
Version: 01

Specific Competencies and Skills Tested in this Assessment:

Information about the AC course standards can be found in the front of the AC course teacher guide.

CTE
CTE.DM.1b  
CTE.DM.1c  
CTE.AMST.2c  
CTE.AMS.3g  
CTE.AMS.3i  
CTE.BM.4a  
CTE.BM.4e  
CTE.BM.4f

Literacy
L.RST.11-12.1  
L.RST.11-12.2  
L.RST.11-12.4  
L.RST.11-12.10

Math
A.SSE.1  
N.VM.1  
N.VM.2  
G.GMD.A3  
G.MG.A3
Integrated Production Technologies – Course 3 (continued)

Science
S.PS1-4
S-PS2-2
S-PS2-3
S-PS2-4
S-PS2-5
S-PS3-1
S-PS4-1

Written Assessment:
Administration Time: unlimited
Number of Questions: 54

Areas covered:

<table>
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<tr>
<th>Percentage</th>
<th>Category</th>
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<tr>
<td>37%</td>
<td>CTE</td>
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<tr>
<td>19%</td>
<td>Literacy</td>
</tr>
<tr>
<td>22%</td>
<td>Math</td>
</tr>
<tr>
<td>22%</td>
<td>Science</td>
</tr>
</tbody>
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Sample Questions:

Using mod9 to encrypt the alphabet, what number represents the letter “N”?
A. 4  
B. 5  
C. 6  
D. 7

By what process do resin varnishes dry?
A. Evaporation of the solvent  
B. Chemical reaction between components of the varnish  
C. Autoxidation between oils and the air  
D. Reaction between the varnish and furniture surface

Linseed oil, tung oil, and walnut oil are examples of what component of varnish?
A. Finishing oils  
B. Acrylic oils  
C. Drying oils  
D. Alkyd oils
The online testing system provides a built-in, five-function calculator. However, a scientific calculator is recommended for this assessment.