INTEGRATED PRODUCTION TECHNOLOGIES – COURSE 1

Test Code: 9021
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.AMS.3a
CTE.AMS.3b
CTE.AMS.3c
CTE.AMST.2b
CTE.DM.1a
CTE.DM.1b
CTE.DM.1c
CTE.DM.1d

Literacy
L.RST.9-10.4
L.RST.9-10.5
L.RST.9-10.7

Math
A-CED-4
F.B.5
G-GMD.B4
N.Q.3
S.MD.7

Science
S.PS2-5
S.PS4-1
S.PS4-6
Integrated Production Technologies – Course 1 (continued)

Written Assessment:

Administration Time: unlimited
Number of Questions: 49

Areas covered:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Subject</th>
</tr>
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<tbody>
<tr>
<td>35%</td>
<td>CTE</td>
</tr>
<tr>
<td>20%</td>
<td>Literacy</td>
</tr>
<tr>
<td>20%</td>
<td>Math</td>
</tr>
<tr>
<td>25%</td>
<td>Science</td>
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</tbody>
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Sample Questions:

Based on the electrical color code:
A. Red = input; black = output
B. Red = negative; black = positive
C. Red = positive; black = negative
D. Red = Ground (GND); black = Supply Voltage (SV)

If one bulb in a circuit fails but the other bulbs remain lit, what might you conclude?
A. The lit bulbs are in a different circuit
B. It is a series circuit
C. It is a parallel circuit
D. The wire to the burnt bulb isn’t thick enough

Which type of energy is a form of electromagnetic energy?
A. Sound
B. Chemical
C. Nuclear
D. Light