

# **Assessment Evidence Guide**

**For**

**Woodworks  
(Carpentry Technician)  
Level-3**

**(Formative Assessment)**



**National Vocational & Technical Training  
Commission Islamabad**

## Instruction Sheet for the Candidate

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-14 Perform Shaping / Profiling Operations
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name_____
	Registration/Roll Number_____
<b>Guidance for Candidate</b>	<p><b>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• Set Face &amp; Edge of Wood on the Planner</li> <li>• Set thickness &amp; width of the wood on thickness planner</li> <li>• Mark Wood as per Drawing</li> <li>• Make wood joinery on the spindle moulding machine</li> <li>• Shape arc decoration on the spindle moulder machine</li> <li>• Shape arcs and domes</li> <li>• Make assembly fixtures</li> <li>• Shape frames</li> </ul>
<b>Time: 03 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>Set Face &amp; Edge of Wood on the Planner</b></p> <ol style="list-style-type: none"> <li>1. Select planer as per job.</li> <li>2. Adjust the outfeed table according to cutting edge of the cutter.</li> <li>3. Set the required cut of in feed table.</li> <li>4. Feed the piece manually or by feeder.</li> <li>5. Perform surface smoothing</li> <li>6. Adjust fence at required angle.</li> <li>7. Ensure adjustment of fence at the required angle.</li> <li>8. Adjust the wood in feed table for required cut.</li> <li>9. Perform edge smoothing.</li> </ol>

**Set thickness & width of the wood on thickness planner**

1. Select the required machine as per job.
2. Adjust table for the desired thickness of cut.
3. Adjust the required feeding speed.
4. Perform job for desired thickness.
5. Adjust table for the desired width of cut.
6. Adjust the required feeding speed.
7. Perform job for desired width.

**Mark Wood as per Drawing**

1. Select tools for marking and measuring
2. Mark wood as per drawing
3. Clamp the Wood
4. Cut Wood with Hand-Saw

**Make wood joinery on the spindle Moulding machine**

1. Preparing Working Area.
2. Choose Blade for Spindle Moulding.
3. Adjust Fake Fence.
4. Perform test cut
5. Perform cutting.
6. Take Appropriate Safety Measure.

**Shape arc decoration on the spindle moulder machine**

1. Mark the job for profile/shape.
2. Install the required accessories
3. Set the Required Angle
4. Adjust Fake Fence
5. Set machine as per operation.
6. Perform test cut.
7. Perform shaping
8. Take Appropriate Safety Measure

**Shape arcs and domes**

1. Mark the Shape.
2. Install the required accessories
3. Adjust Fake Fence.

	<ol style="list-style-type: none"> <li>4. Set machine as per Operation.</li> <li>5. Perform Test Cut.</li> <li>6. Perform Shaping</li> <li>7. Take Appropriate Safety Measure</li> </ol> <p><b>Make assembly fixtures</b></p> <ol style="list-style-type: none"> <li>1. Mark the job for profile/shape</li> <li>2. Select the machine.</li> <li>3. Install the required accessories</li> <li>4. Set machine as per operation.</li> <li>5. Perform test cut.</li> <li>6. Perform profiling/shaping</li> </ol> <p><b>Shape frames</b></p> <ol style="list-style-type: none"> <li>1. Mark the job for profile/shape</li> <li>2. Select the machine.</li> <li>3. Install the required accessories</li> <li>4. Set machine as per operation.</li> <li>5. Perform test cut.</li> <li>6. Perform profiling/shaping</li> <li>7. Perform Shape Framing</li> </ol>
<b>Portfolios</b>	<b>Portfolios required at the time of assessment (if any)</b>

## Assessors Judgment Guide

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-14 Perform Shaping / Profiling Operations
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

## Observation Checklist

<b>Assessment Task</b>		<ul style="list-style-type: none"> <li>• Set Face &amp; Edge of Wood on the Planner</li> <li>• Set thickness &amp; width of the wood on thickness planner</li> <li>• Mark Wood as per Drawing</li> <li>• Make wood joinery on the spindle Moulding machine</li> <li>• Shape arc decoration on the spindle moulder machine</li> <li>• Shape arcs and domes</li> <li>• Make assembly fixtures</li> <li>• Shape frames</li> </ul>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Select planer as per job.			
2.	Adjust the outfeed table according to cutting edge of the cutter.			
3.	Set the required cut of in feed table.			
4.	Feed the piece manually or by feeder.			
5.	Perform surface smoothing			
6.	Adjust fence at required angle.			
7.	Ensure adjustment of fence at the required angle.			
8.	Adjust the wood in feed table for required cut.			
9.	Perform edge smoothing.			
10.	Select the required machine as per job.			
11.	Adjust table for the desired thickness of cut.			
12.	Adjust the required feeding speed.			
13.	Perform job for desired thickness.			
14.	Adjust table for the desired width of cut.			

15.	Adjust the required feeding speed.			
16.	Perform job for desired width.			
17.	Select tools for marking and measuring			
18.	Mark wood as per drawing			
19.	Clamp the Wood			
20.	Cut Wood with Hand-Saw			
21.	Preparing Working Area.			
22.	Choose Blade for Spindle Moulding.			
23.	Adjust Fake Fence.			
24.	Perform test cut			
25.	Perform cutting.			
26.	Take Appropriate Safety Measure.			
27.	Mark the job for profile/shape.			
28.	Install the required accessories			
29.	Set the Required Angle			
30.	Adjust Fake Fence			
31.	Set machine as per operation.			
32.	Perform test cut.			
33.	Perform shaping			
34.	Take Appropriate Safety Measure			
35.	Mark the job for profile/shape			
36.	Select the machine.			

37.	Install the required accessories			
38.	Set machine as per operation.			
39.	Perform test cut.			
40.	Perform profiling/shaping			
41.	Mark the job for profile/shape			
42.	Select the machine.			
43.	Install the required accessories			
44.	Set machine as per operation.			
45.	Perform test cut.			
46.	Perform profiling/shaping			
47.	Perform Shape Framing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		



## Knowledge Assessment

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-14 Perform Shaping / Profiling Operations
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<b>COMPETENT</b> <input type="checkbox"/> <span style="margin-left: 100px;"><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning maybe used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	How to adjust the machine for profiling?		
2.	Enlist tools use for shaping arcs and domes?		
3.	Enlist PPES required to perform cutting at bend saw machine?		

4.	Define procedure for making Tenon on spindle moulder machine?		
5.	Enlist three marking tools?		

<b>Feedback to the Candidate</b>
<b>Candidate's Signature</b> _____ <b>Assessor's Signature</b> _____

## Knowledge Assessment-Answers

1.	<p><b>How to adjust the machine for profiling?</b></p> <ul style="list-style-type: none"> <li>• Set the knife in cutter head of splinder according to drawing.</li> <li>• Set the fence, height and depth.</li> </ul>
2.	<p><b>Enlist tools use for shaping arcs and domes?</b></p> <ul style="list-style-type: none"> <li>• Jigsaw machine</li> <li>• Bend saw machine</li> <li>• Half round file</li> </ul>
3.	<p><b>Enlist PPES required to perform cutting at bend saw machine?</b></p> <ul style="list-style-type: none"> <li>• Googles</li> <li>• Ear plugs</li> <li>• Protective gloves</li> <li>• Safety shoes</li> <li>• Coverall</li> </ul>
4.	<p><b>Define procedure for making Tenon on spindle moulder machine?</b></p> <ul style="list-style-type: none"> <li>• Mark wooden piece for making tenon</li> <li>• Select the required cutter</li> <li>• Fix the cutter on spindle</li> <li>• Tight the nutt</li> <li>• Adjust the machine for making tenon</li> <li>• Apply jigs and fixture</li> <li>• Perform cutting process</li> </ul>
5.	<p><b>Enlist three marking tools?</b></p> <ul style="list-style-type: none"> <li>• Marking guage</li> <li>• Mortise guage</li> <li>• Divider</li> <li>• Tri-square</li> <li>• Sliding bevel</li> </ul>