

Assessment Evidence Guide

For

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

(Formative Assessment)



**National Vocational & Technical Training
Commission Islamabad**

Instruction Sheet for the Candidate

Qualification	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
Competency Standard	0722-W&C-12 Prepare a woodwork job
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____
	Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Cut raw material as per requirements • Perform cutting methods as per drawing. • Assemble wood joints • Perform assembly method. • Perform finishing method
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Cut raw material as per requirements.</p> <ol style="list-style-type: none"> 1. Read the drawing. 2. Interpret the drawing. 3. Prepare material cutting list 4. Arrange appropriate material for job. 5. Select appropriate machine. 6. Inspect the machine functions. 7. Place the material in machine for cutting. <p>Perform cutting as per drawing</p> <ol style="list-style-type: none"> 1. Read the drawing. 2. Interpret the drawing. 3. Identify appropriate method for cutting. 4. Identify appropriate machine/tools. 5. Check accuracy of machine/tools

	<p>6. Cut the material as per required size.</p> <p>Assemble wood joints</p> <ol style="list-style-type: none"> 1. Prepare/assemble lap joint 2. Prepare/assemble tenon mortise joint 3. Prepare/assemble end lap joint 4. Prepare/assemble open finger joints 5. Prepare/assemble T- joint 6. Prepare/assemble dove tail joint 7. Prepare/assemble dado joint 8. Prepare/assemble biscuit joint 9. Prepare/assemble dowel joint <p>Perform assembly method.</p> <ol style="list-style-type: none"> 1. Arrange components of job. 2. Check components specification as per drawing. 3. Pre-assemble job components. 4. Check dimensions/size as per drawing. 5. Dismantle job components. 6. Apply adhesive material to joints. 7. Clamp the job components. 8. Remove excess adhesive material. 9. Perform nailing/screwing/Dowling as per job requirement 10. Remove excess adhesive material if required <p>Perform finishing method</p> <ol style="list-style-type: none"> 1. Identify type of surface finish required for the job. 2. Identify type of material required for the job. 3. Identify method for surface finishing. 4. Identify tools/machine for surface finishing. 5. Prepare surface for finishing work. 6. Apply surface finish.
Portfolios	Portfolios required at the time of assessment (if any)

Assessors Judgment Guide

Qualification	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
Competency Standard	0722-W&C-12 Prepare a woodwork job
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	<p style="text-align: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </p> <p>Name of the Assessor _____</p> <p>Assessor's code: _____</p> <p>Signature: _____</p>

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

Assessment Task	<ul style="list-style-type: none"> • Cut raw material as per requirements. • perform cutting methods as per drawing • Assemble wood joints • Perform assembly method. • Perform finishing method 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Read the drawing for given job			
2.	Prepare list of material required			
3.	Arrange appropriate material for job.			
4.	Select appropriate machine for cutting raw material			
5.	Inspect the machine functions.			
6.	Place the raw material in machine for cutting.			
7.	Read dimensions of wooden components from drawing			
8.	Identify appropriate method for cutting.			
9.	Identify appropriate machine/tools.			
10.	Check accuracy of machine/tools			
11.	Cut the material as per required size			
12.	Assemble joints as per job specifications			
13.	Arrange components of job as per drawing .			
14.	Check components specification as per drawing.			
15.	Pre-assemble job components.			
16.	Check dimensions/size as per drawing.			

17.	Dismantle job components.			
18.	Apply adhesive material to joints.			
19.	Clamp the job components.			
20.	Remove excess adhesive material.			
21.	Perform nailing/screwing/Dowling as per job requirement			
22.	Remove excess adhesive material if required			
23.	Identify type of surface finish required for the job.			
24.	Identify type of material required for the job.			
25.	Identify method for surface finishing.			
26.	Identify tools/machine for surface finishing.			
27.	Prepare surface for finishing work.			
28.	Apply surface finish.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	National Competency Standards Level-3 for Woodworks “Carpentry Technician”
Competency Standard	0722-W&C-12 Prepare a woodwork job
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> 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 may be 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.	What is the function of clamp <hr/>		
2.	Enlist any three common wooden joints used in woodwork. <hr/>		

3.	How to adjust and check the fence for cutting of wood on circular saw machine.		
4.	How dove-tail joint is made		
5.	Differentiate between hard-wood and soft-wood.		

Knowledge Assessment-Answers

1.	<p>What is the function of clamp</p> <p>A clamp is a fastening device used to hold or secure objects tightly together to prevent movement or separation through the application of inward pressure.</p>
2.	<p>Enlist any three common wooden joints used in woodwork.</p> <ol style="list-style-type: none"> 1. Butt joint 2. Miter joint 3. Dado joint 4. Lap joint 5. Mortise and tenon joint 6. Dove-tail joint
3.	<p>How to adjust and check the fence for cutting of wood on circular saw machine.</p> <ol style="list-style-type: none"> 1. Adjust the fence as per width of wooden piece 2. Adjust the blade height 3. Adjust the riving knife 4. Check the rotation of blade 5. Perform cutting with pushing stick
4.	<p>How dove-tail joint is made</p> <p>A series of 'pins' cut to extend from the end of one wooden piece to interlock with a series of 'tails' cut into the end of another wooden piece. The pins and tails have a trapezoidal shape. Once glued, a wooden dovetail joint requires no mechanical fasteners</p>
5.	<p>Differentiate between hard-wood and soft-wood.</p> <p>Softwood is collected from conifer trees which are evergreen having needle shaped leaves.</p> <p>Hardwood is obtained from deciduous trees (loses leaves in autumn)</p>