

Assessment Evidence Guide

For

**Woodworks
(Carpentry Helper)
Level-2**

(Summative Assessment)



**National Vocational & Technical Training
Commission Islamabad**

Instruction Sheet for the Candidate

Qualification	National Competency Standards Level-2 for Woodworks "Carpentry Helper"
Competency Standard	<ol style="list-style-type: none"> 1. 1022-OHS-01 Follow safety rules 2. 0722-W&C-01 Perform Measurements Using Basic Tools 3. 0722-W&C-02 Read Basic Drawings 4. 0722-W&C-03 Identify Basic Hand Tools 5. 0722-W&C-04 Use Basic Hand Tools 6. 0722-W&C-05 Maintain Basic Hand Tools 7. 0722-W&C-06 Identify Power Tools 8. 0722-W&C-07 Identify Wood material
Purpose of Assessment	Summative Assessment
Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 05 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Prepare and finish a dovetail joint with plywood and bore a hole according to the given drawing (attached at annexure-I) by using basic hand tools of woodworking.
Time: 05 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Prepare and finish a dovetail joint with plywood and bore a hole according to the given drawing attached at annexure-I by using basic hand tools of wood working.</p> <ol style="list-style-type: none"> 1: Wear Personal Protective Equipment (PPE) 2: Ensure proper fitting of equipment 3: Follow Standard Operating Procedures (SOP's) 4: Interpret units 5: Check the dimension on drawing 6: Identify plan 7: Identify elevation

	<p>8: Identify engineered wood</p> <p>9: Identify Marking Tools</p> <p>10: Identify Cutting Tools</p> <p>11: Identify Planning Tools</p> <p>12: Identify Boring Tools</p> <p>13: Identify Fixing Tools</p> <p>14: Identify Grinding Tools</p> <p>15: Identify Finishing Tools</p> <p>16: Use marking knife as per job requirement</p> <p>17: Use marking gauge as per job requirement</p> <p>18: Use Scriber marking tool as per job requirement</p> <p>19: Use Pencils as per job requirement</p> <p>20: Use Cross cut saws as per job requirement</p> <p>21: Use Bow saw as per job requirement</p> <p>22: Use C-Clamps as per job requirement</p> <p>23: Use Block Planes as per job requirement</p> <p>24: Use Wood Drill Bits as per job requirement</p> <p>25: Use Oil stone as per job requirement</p> <p>26: Use File tools as per job requirement</p> <p>27: Use Wood Rasps/Files as per job requirement</p> <p>28: Place hand tools in an appropriate place after use.</p>
Portfolios	Portfolios required at the time of assessment (if any)

Observation Checklist

Assessment Task		<ul style="list-style-type: none"> • Prepare and finish a dovetail joint with plywood and bore a hole according to the given drawing attached at annexure-I by using basic hand tools of wood working. 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Wear personal protective equipment (PPE)			
2.	Ensure proper fitting of equipment			
3.	Follow standard operating procedures (SOP's)			
4.	Interpret units			
5.	Check the dimension on drawing			
6.	Identify plan			
7.	Identify elevation			
8.	Identify engineered wood			
9.	Identify Marking Tools			
10.	Identify Cutting Tools			
11.	Identify Planning Tools			
12.	Identify Boring Tools			
13.	Identify Fixing Tools			
14.	Identify Grinding Tools			
15.	Identify Finishing Tools			
16.	Use marking knife as per job requirement			
17.	Use marking gauge as per job requirement			
18.	Use Scriber marking tool as per job requirement			
19.	Use Pencils as per job requirement			

20.	Use Cross cut saws as per job requirement			
21.	Use Bow saw as per job requirement			
22.	Use C-Clamps as per job requirement			
23.	Use Block Planes as per job requirement			
24.	Use Wood Drill Bits as per job requirement			
25.	Use Oil stone as per job requirement			
26.	Use File tools as per job requirement			
27.	Use Wood Rasps/Files as per job requirement			
28.	Place hand tools in an appropriate place after use.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	National Competency Standards Level-2 for Woodworks "Carpentry Helper"
Competency Standard	<ol style="list-style-type: none"> 1. 1022-OHS-01 Follow safety rules 2. 0722-W&C-01 Perform Measurements Using Basic Tools 3. 0722-W&C-02 Read Basic Drawings 4. 0722-W&C-03 Identify Basic Hand Tools 5. 0722-W&C-04 Use Basic Hand Tools 6. 0722-W&C-05 Maintain Basic Hand Tools 7. 0722-W&C-06 Identify Power Tools 8. 0722-W&C-07 Identify Wood material
Purpose of Assessment	Summative 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.	Enlist four personal protective equipment (PPE) used in woodworking. 		

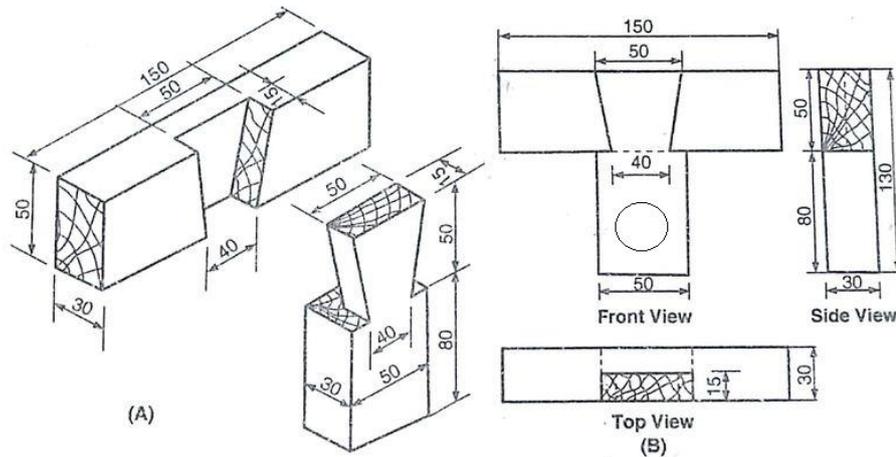
2.	What is the use of Steel Foot Rule?		
3.	Enlist five types of cutting tools.		
4.	What is the use of rabbet planner?		
5.	What is the use of buffing machine?		
6.	What is the full form of SOP?		
7.	Define wood seasoning.		
8.	What is the use of bow saw?		
9.	How to maintain planning tools?		

10.	What is the difference between section & elevation?		

Feedback to the Candidate	
Candidate's Signature _____ Assessor's Signature _____	

ANNEXURE-I

Dovetail Joint



: Dovetail Joint

All dimensions are in millimeter (mm)

QUESTION:1 Prepare the Dovetail Joint as per given dimensions:

Dimensions:

Sr.	Component	Dimension
1	Wooden Piece for male joint portion	130x50x30 mm
2	Wooden Piece for female joint portion	150x50x30 mm

Specifications:

Sr.	Component	Material
1	Wooden Piece for male joint portion	Solid wood (Kail wood, deodar etc)
2	Wooden Piece for female joint portion	Solid wood (Kail wood, deodar etc)

Knowledge Assessment - Answers

1.	<p>Enlist four personal protective equipment (PPE) used in woodworking.</p> <ol style="list-style-type: none"> 1. Safety Glasses. 2. Face Shields 3. Safety Gloves 4. Safety Helmet
2.	<p>What is the use of Steel Foot Rule?</p> <p>Steel rules come in rigid and flexible versions. While their primary purpose is accurate measurement, they can also be used as guides for laying out lines.</p>
3.	<p>Enlist five types of cutting tools.</p> <ol style="list-style-type: none"> 1. Portable Miter Saw 2. Portable Circular Saw 3. Portable Jigsaw 4. Portable Router 5. Portable Chain Saw
4.	<p>What is the use of rabbet planner?</p> <p>It is used to cut rabbets in wood.</p>

5.	<p>What is the use of buffing machine?</p> <p>It is used to polish the wooden surfaces.</p>
6.	<p>What is the full form of SOP?</p> <p>Standard Operative Procedures</p>
7.	<p>Define wood seasoning.</p> <p>A process of drying of timber to remove the bound moisture contained in the walls of the wood cell to produce seasoned timber.</p>
8.	<p>What is the use of bow saw?</p> <p>A bow saw is like a pruning saw that delivers an efficient way to cut dense wood. It is a closed-loop tool for working on tree limbs, shrubs, thick vines and low branches.</p>
9.	<p>How to maintain planning tools?</p> <ol style="list-style-type: none"> 1. Keep the tools on their side. 2. Keep rust at bay. 3. Apply a thin coat of boiled linseed oil. 4. Keep your planes clean and check the frog and throat areas for any debris. 5. Sharpen the blade. 6. Retract the iron before putting a plane away.
10.	<p>What is the difference between section & elevation?</p> <p>An elevation drawing is drawn on a vertical plane showing a vertical depiction while a section drawing is also a vertical depiction, but one that cuts through space to show what lies within.</p>