

Assessment Evidence Guide

For

“Textile Wet Processing”

Level-2

(Summative Assessment)



National Vocational & Technical

Training Commission

Instruction Sheet for the Candidate

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Operator)	CS Code:	Level: 02	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> Maintain Personal Health, hygiene and safety Perform basic communication skills Operate Computer Functions (General) Manage Waste Materials at Workplace Perform Fabric Pre-treatments for Wet Processing Perform Basic Printing 	Assessment Date (DD/MM/YY): Assessment Time: 05 hrs.		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Candidate is required to prepare a colour wheel as per instructions given by assessor. 2. Assessment Task 2: Candidate is required to perform following pre-treatment tasks for the fabric, assigned by assessor: <ul style="list-style-type: none"> ○ De-Sizing ○ Singeing 3. Assessment Task 3: Candidate is required to print a design on assigned fabric, including following tasks: <ul style="list-style-type: none"> ○ Prepare Colour lab dips ○ Perform Table screen printing by developing colour scheme as per given instructions <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written or Oral) 5. Portfolios at the time of assessment (if any)

Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <p>Performance Criteria 1: Develop Colour Wheel, including</p> <ul style="list-style-type: none"> ○ Primary Colours ○ Secondary Colours ○ Tertiary Colours ○ Complementary Colours ○ Split Complementary Colours ○ Triadic Colours ○ Tetradic Colours ○ Analogous Colours ○ Neutral Colours ○ Monochromatic Colours ○ Tints and shades ○ Warm Colours ○ Cool Colours
	<p>Assessment Task 2</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 2: Arrange material for process as per Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 3: Load fabric on the machine</p> <p>Performance Criteria 4: Set Singeing machine parameters as per Singeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 5: Operate Plate/Flame Singeing Machine</p> <p>Performance Criteria 6: Set De-Sizing machine parameters as per De-Sizing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 7: Operate De-Sizing machine</p> <p>Performance Criteria 8: Maintain quality parameters during process according to protocol.</p> <p>Performance Criteria 9: Unload fabric after completion the job</p>

Assessment Task 3

Performance Criteria 1: Arrange material, tools and equipment to prepare basic colour recipes

Performance Criteria 2: Mix primary colours/dyes to prepare dilute solution as per Formula

Performance Criteria 3: Dip swatches in solution for colour recognition

Performance Criteria 4: Maintain temperature/chemicals as per requirement

Performance Criteria 5: Wash the fabric and verify colour as per requirement

Performance Criteria 6: Interpret Specification Sheet/Processing Order (PO) for Table Screen Printing

Performance Criteria 7: Arrange material for Table Screen Printing as per Specification Sheet/Processing Order (PO)

Performance Criteria 8: Set sequence of colour according to design

Performance Criteria 9: Apply printing paste according to design from colour kitchen

Performance Criteria 10: Perform manual Table Screen Printing as per design nature

Performance Criteria 11: Dry printed material as per SOPs

Performance Criteria 12: Perform fixation process on material according to nature of colorant and fabric

Performance Criteria 13: Maintain quality parameters during process according to protocol

Observation Checklist

Each Assessment Task (with performance criteria)			
Assessment Task 1	Description of Assessment Task 1 Candidate is required to prepare a colour wheel as per instructions given by assessor.		
During the practical assessment, candidate demonstrated the following:	Yes	No	Remarks
1.	Develop Colour Wheel, including <ul style="list-style-type: none"> ○ Primary Colours ○ Secondary Colours ○ Tertiary Colours ○ Complementary Colours ○ Split Complementary Colours ○ Triadic Colours ○ Tetradic Colours ○ Analogous Colours ○ Neutral Colours ○ Monochromatic Colours ○ Tints and shades ○ Warm Colours ○ Cool Colours 		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>	

Assessment Task 2		Description of Assessment Task 2		
		Candidate is required to perform following pre-treatment tasks for the fabric, assigned by assessor: <ul style="list-style-type: none"> ○ De-Sizing ○ Singeing 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO)			
2.	Arrange material for process as per Specification Sheet/Processing Order (PO)			
3.	Load fabric on the machine			
4.	Set Singeing machine parameters as per Singeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Plate/Flame Singeing Machine			
6.	Set De-Sizing machine parameters as per De-Sizing process requirement/Specification Sheet/Processing Order (PO)			
7.	Operate De-Sizing machine			
8.	Maintain quality parameters during process according to protocol			
9.	Unload fabric after completion the job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of Assessment Task 3		
		Candidate is required to print a design on assigned fabric, including following tasks: <ul style="list-style-type: none"> ○ Prepare Colour lab dips ○ Perform Table screen printing by developing colour scheme as per given instructions 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Arrange material, tools and equipment to prepare basic colour recipes			
2.	Mix primary colours/dyes to prepare dilute solution as per Formula			
3.	Dip swatches in solution for colour recognition			
4.	Maintain temperature/chemicals as per requirement			
5.	Wash the fabric and verify colour as per requirement			
6.	Interpret Specification Sheet/Processing Order (PO) for Table Screen Printing			
7.	Arrange material for Table Screen Printing as per Specification Sheet/Processing Order (PO)			
8.	Set sequence of colour according to design			
9.	Apply printing paste according to design from colour kitchen			
10.	Perform manual Table Screen Printing as per design nature			
11.	Dry printed material as per SOPs			
12.	Perform fixation process on material according to nature of colorant and fabric			
13.	Maintain quality parameters during process according to protocol			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio		Description of Portfolio							
		Candidate is required to present a portfolio including:							
Current	<input type="checkbox"/>	Sufficient	<input type="checkbox"/>	Authentic	<input type="checkbox"/>	Valid	<input type="checkbox"/>	Reliable	<input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks					
1.	File/folder of Perform Fabric Pre-treatments for Wet Processing								
2.	File/folder of Perform Basic Printing								
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>							

Knowledge Assessment

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Operator)	CS Code:	Level: 02	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> • Maintain Personal Health, hygiene and safety • Perform basic communication skills • Operate Computer Functions (General) • Manage Waste Materials at Workplace • Perform Fabric Pre-treatments for Wet Processing • Perform Basic Printing 	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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candidate Details	Name: Registration/Roll Number: Candidate Signature:
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:..... Assessor's code: Signature of the Assessor:

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
1. What is the difference between tints and shades?	A tint is a mixture of a colour with white, which increases lightness, while a shade is a mixture with black, which increases darkness.
2. Explain Warm and Cool Colours	Warm colors are made up of colors such as reds, oranges and yellows. While cool colors consist of blue, purple and greens and the shades off of those that are cooler in color temperature.
3. What is the use of Squeegee?	It is a tool with a flat, smooth rubber blade, used to remove or control the flow of liquid on a flat surface.
4. What is difference between screen and mesh?	Mesh is a structure made of connected strands of metal, fiber, or other flexible material, with evenly spaced openings between them while screen is a physical divider intended to block an area from view.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)

<p>5. What is the importance of fixation in screen printing process?</p>	<p>Fixation is like how much dye is fixed onto the fabric after considering all the washes.</p>
<p>6. Enlist any five Verbal communication techniques?</p>	<ul style="list-style-type: none"> ○ Active listening. ○ Asking for clarification. ○ Asking open-ended questions to gain insights. ○ Recognizing and responding to non-verbal cues. ○ Speaking clearly and concisely.
<p>7. Describe the steps in preparation of Wet Processing (any three)</p>	<ul style="list-style-type: none"> ○ Prepare and clean the workplace ○ Arrange material ○ Verify job card ○ Maintain the register
<p>8. What is De-sizing?</p>	<p>De-sizing is the process of removing the size material from warp yarn after textile fabric is woven</p>
<p>9. Describe the singeing?</p>	<p>Singeing is the process to remove protruding fibers from the surface of fabric before printing and dyeing.</p>
<p>10. What is the purpose of scouring?</p>	<p>Scouring removes soluble and insoluble impurities found in textiles as natural, added and adventitious impurities, for example, oils, waxes, fats, vegetable matter, as well as dirt.</p>
<p>11. What is the use of Bleaching?</p>	<p>The bleaching process is used to produce white cloth, to prepare fabrics for other finishes, or to remove discoloration that has occurred in other processes.</p>