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TEXTILE WET PROCESSING



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ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019



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Document Version

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Islamabad, Pakistan

TEXTILE WET PROCESSING



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ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001101	Level: 3	Version: 01
Competency Standard Title: Carry out Exhaust Dyeing for Woven Fabrics.	Assessment Date (DD/MM/YY): 00/00/0000		

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: Follow Dyeing Plan for woven fabric dyeing by exhaust process specified by your assessor correctly 2. Assessment Task 2: Prepare and ensure woven fabric dyeing parameters for exhaust dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Identify shade by using shade matching method for woven fabrics 4. Assessment Task 4: Perform Dyeing specified by your assessor correctly using appropriate methods 5. Assessment Task 5: Verify quality of woven fabric dyeing by exhaust process 6. Assessment Task 6: Prepare production report for woven fabric dyeing by exhaust process <p>And complete:</p> <ol style="list-style-type: none"> 7. Knowledge assessment test (Written) 8. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for exhaust dyeing according to program sheet.</p> <p>Performance Criteria 2: Receive shade standards for shade matching</p> <p>Performance Criteria 3: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 4: Interpret specs for exhaust dyeing process.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Instruct exhaust dyeing machine operators for dyeing process according to given parameters.</p> <p>Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.</p> <p>Performance Criteria 3: Execute dyes and chemical preparation for exhaust dyeing at production level.</p> <p>Performance Criteria 4: Set machine parameters for exhaust dyeing process.</p> <p>Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.</p> <p>Performance Criteria 6: Supervise safety precautions as per job requirement.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Verify shade standards for shade matching.</p> <p>Performance Criteria 2: Match shade as per standards and make corrections if required.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 2: Execute production on set parameters according to program.</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Verify quality parameters during production for matching with standards.</p> <p>Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production</p> <p>Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.</p>
	<p><u>Assessment Task 6</u></p> <p>Performance Criteria 1: Verify production register maintain by machine operators shift-wise.</p> <p>Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.</p> <p>Performance Criteria 3: Prepare shift production report.</p> <p>Performance Criteria 4: Prepare reports for faults occur during shift.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for exhaust dyeing machines dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Follow Dyeing Plan for woven fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for exhaust dyeing according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Receive shade standards for shade matching	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Interpret specs for exhaust dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Prepare and ensure woven fabric dyeing parameters for exhaust dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Instruct exhaust dyeing machine operators for dyeing process according to given parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Execute dyes and chemical preparation for exhaust dyeing at production level.			
4	Performance Criteria 4: Set machine parameters for exhaust dyeing process.			
5	Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.			
6	Performance Criteria 6: Supervise safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Identify shade by using shade matching method for woven fabrics		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify shade standards for shade matching.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Match shade as per standards and make corrections if required.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Perform Dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Execute production on set parameters according to program.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Verify quality of woven fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify quality parameters during production for matching with standards.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Prepare production report for woven fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify production register maintain by machine operators shift-wise.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Prepare shift production report.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Prepare reports for faults occur during shift.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for setting machine parameters for exhaust dyeing machines dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National vocational certificate level 3 in Textile Wet Processing – Dyeing Technologist	CS Code: 0723001100	Level: 3	Version: 1
Competency Standard Title: Carry out Exhaust Dyeing for Woven Fabrics.	Assessment Date (DD/MM/YY): 00/00/0000		

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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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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:.....

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 3	Version: 1
Competency Standard Title: Carry out Exhaust Dyeing for Woven Fabrics.	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. The term RFD (Ready for dyeing) means?	A RFD fabric refers to a white fabric that was processed through scouring and bleaching to remove starches, sizing or finishes applied to the fabric which could interfere with the dyeing. Scouring is done to improve dye uptake and absorption into the fabric and improve evenness in dyeing throughout the fabric length.
2. Choose right sequence of steps for exhaust dyeing method for woven fabrics?	a. Dissolving and dispersion of dye –Diffusion – Migration - Adsorption b. Dissolving and dispersion of dye – Adsorption – Diffusion – Migration c. Dissolving and dispersion of dye – Adsorption – Migration - Diffusion d. Dissolving and dispersion of dye – Diffusion – Migration Adsorption
3. Write down any FIVE dyeing auxiliaries used for exhaust dyeing?	1. Sequestering agent 2. Lubricants / Anti-creasing. 3. Pretreatment Chemicals 4. Peroxide killer 5. Leveling Agent. 6. Sequestering, Dispersing and Leveling Agent for Reactive dyeing. 7. Antifoam. 8. Salt/Electrolyte 9. Carrier

Question	Candidate's answer
4. Washing fastness of fabric dyed with direct dyes is _____?	<ul style="list-style-type: none"> a) Poor b) Good c) Very Good d) Excellent
5. Temperature must be maintain at _____ for dyeing of fabric with direct dyes through exhaust method?	<ul style="list-style-type: none"> a) 10°C b) 20°C c) 30°C d) 40°C
6. Pantone Book is used for _____?	<ul style="list-style-type: none"> a) Dye preparation b) Shade matching c) Samples of dyes d) Fastness results
7. The main auxiliaries in dyeing sequestering agents are used to remove _____.	<ul style="list-style-type: none"> a) Dust b) Neps c) Hardness of water d) Starch from fabric
8. How many classes of direct dyes?	<ul style="list-style-type: none"> a) 2 b) 3 c) 4 d) 5
9. Dispersing agent help to increase _____ of disperse dye in water.	<ul style="list-style-type: none"> a. Solubility b. Bright color c. Hardness d. quality

Question	Candidate's answer
10. _____ is an organic compound which helps to take up dye at lower temperature and pressure over the textile material.	a) Lubricant b) Hydrogen peroxide c) Sulphuric Acid d) Carrier

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001102	Level: 3	Version: 01
Competency Standard Title: Carry out Exhaust Dyeing for Knitted Fabrics.	Assessment Date (DD/MM/YY): 00/00/0000		

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: Follow Dyeing Plan for knitted fabric dyeing by exhaust process specified by your assessor correctly 2. Assessment Task 2: Prepare and ensure knitted fabric dyeing parameters for exhaust dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Identify shade by using shade matching method for knitted fabrics 4. Assessment Task 4: Perform Dyeing specified by your assessor correctly using appropriate methods 5. Assessment Task 5: Verify quality of knitted fabric dyeing by exhaust process 6. Assessment Task 6: Prepare production report for knitted fabric dyeing by exhaust process <p>And complete:</p> <ol style="list-style-type: none"> 7. Knowledge assessment test (Written) 8. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for exhaust dyeing according to program sheet.</p> <p>Performance Criteria 2: Receive shade standards for shade matching</p> <p>Performance Criteria 3: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 4: Interpret specs for exhaust dyeing process.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Instruct exhaust dyeing machine operators for dyeing process according to given parameters.</p> <p>Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.</p> <p>Performance Criteria 3: Execute dyes and chemical preparation for exhaust dyeing at production level.</p> <p>Performance Criteria 4: Set machine parameters for exhaust dyeing process.</p> <p>Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.</p> <p>Performance Criteria 6: Supervise safety precautions as per job requirement.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Verify shade standards for shade matching.</p> <p>Performance Criteria 2: Match shade as per standards and make corrections if required.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 2: Execute production on set parameters according to program.</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Verify quality parameters during production for matching with standards.</p> <p>Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production</p> <p>Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.</p>
	<p><u>Assessment Task 6</u></p> <p>Performance Criteria 1: Verify production register maintain by machine operators shift-wise.</p> <p>Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.</p> <p>Performance Criteria 3: Prepare shift production report.</p> <p>Performance Criteria 4: Prepare reports for faults occur during shift.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for exhaust dyeing machines dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Follow Dyeing Plan for knitted fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for exhaust dyeing according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Receive shade standards for shade matching	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Interpret specs for exhaust dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Prepare and ensure knitted fabric dyeing parameters for exhaust dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Instruct exhaust dyeing machine operators for dyeing process according to given parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Execute dyes and chemical preparation for exhaust dyeing at production level.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Set machine parameters for exhaust dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Supervise safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Identify shade by using shade matching method for knitted fabrics		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify shade standards for shade matching.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Match shade as per standards and make corrections if required.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4		
		Perform Dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Execute production on set parameters according to program.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5		
		Verify quality of knitted fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify quality parameters during production for matching with standards.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6		
		Prepare production report for knitted fabric dyeing by exhaust process		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify production register maintain by machine operators shift-wise.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Prepare shift production report.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Prepare reports for faults occur during shift.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for setting machine parameters for exhaust dyeing machines dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National vocational certificate level 3 in Textile Wet Processing – Dyeing Technologist	CS Code: 0723001101	Level: 3	Version: 1
Competency Standard Title: Carry out Exhaust Dyeing for Knitted Fabrics.	Assessment Date (DD/MM/YY): 00/00/0000		

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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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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:.....

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 3	Version: 1
Competency Standard Title: Carry out Exhaust Dyeing for Knitted Fabrics.	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. What is running shade?	Running shade is more specifically meter to meter variation of shade in fabric. So, basically when dyes cannot migrate properly in the whole fabric thus exhaustion of dyes in fabric becomes uneven which leads to running shade or uneven dyeing.
2. Write down any THREE knit fabric problems during preparation, dyeing and after treatment?	<ol style="list-style-type: none"> 1. edge mark 2. crease mark 3. pin hole 4. loss of fabric strength 5. shade variation of batch-to-batch 6. uneven dyeing 7. patchy, 8. colour spot 9. white spot 10. meter to meter shade variation 11. hand feel problem 12. fastness problems

Question	Candidate's answer
3. Write down any FIVE causes of running shade?	1. Lack of proper combination of dyes 2. Not maintaining exact dyeing process 3. Lack of proper amount of salt and alkali dosing 4. Lack of quality products and proper products in the bath 5. Lack of proper alkali dosing 6. Lack of proper pretreatment 7. Not selecting good leveling agent 8. Lack of awareness for water quality 9. Not maintaining proper machine and material operation by the operator 10. Lack of proper after treatment
4. Washing fastness of fabric dyed with reactive dyes is _____?	a) Very Poor b) Poor c) Good d) Very Good
5. Knit fabric is prepared through?	a) Projectile b) Knitting machine c) Weaving machine d) Embroidery machine
6. Pantone Book is used for _____?	a) Dye preparation b) Shade matching c) Samples of dyes d) Fastness results
7. What are meaning of dyeing auxiliaries?	<p>Dyeing auxiliaries mean a chemical or formulated chemical product which enables a processing operation in preparation, dyeing, printing or finishing to be carried out more effectively, or which is essential if a given effect is to be obtained. Main functions of dyeing auxiliaries to prepare the substrate for coloration, to stabilize the application medium, to increase the fastness properties of dyeing, to modify the substrates etc.</p>

Question	Candidate's answer
8. RFD (Ready for Dyeing) fabrics are created by processing _____ fabrics?	a) finished b) Greige c) dyed d) printed
9. Define theory of Dyeing?	The dyeing process is a chemical reaction occurring between the dye molecule and the fibre molecule:
10. Plain, twill, rib, fleece, interlock, pique are types of _____.	a) fibre b) cotton yarn c) polyester yarn d) Fabric

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001103	Level: 3	Version: 01
Competency Standard Title: Carry out Semi-Continuous Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

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: Follow Dyeing Plan for semi-continuous dyeing process specified by your assessor correctly 2. Assessment Task 2: Prepare and ensure semi-continuous dyeing parameters specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Identify shade by using shade matching method for semi-continuous dyed fabrics. 4. Assessment Task 4: Perform Dyeing specified by your assessor correctly using appropriate semi-continuous dyeing machine. 5. Assessment Task 5: Verify quality of semi-continuous dyeing process. 6. Assessment Task 6: Prepare production report for semi-continuous dyeing process. <p>And complete:</p> <ol style="list-style-type: none"> 7. Knowledge assessment test (Written) 8. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for semi-continuous dyeing according to program sheet.</p> <p>Performance Criteria 2: Receive shade standards for shade matching</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Interpret specs for semi-continuous dyeing process.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Instruct semi-continuous dyeing machine operators for dyeing process according to given parameters.</p> <p>Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.</p> <p>Performance Criteria 3: Execute dyes and chemical preparation for semi-continuous dyeing at production level.</p> <p>Performance Criteria 4: Set machine parameters for semi-continuous dyeing process.</p> <p>Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.</p> <p>Performance Criteria 6: Supervise safety precautions as per job requirement.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Verify shade standards for shade matching.</p> <p>Performance Criteria 2: Match shade as per standards and make corrections if required.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 2: Execute production on set parameters according to program.</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Verify quality parameters during production for matching with standards.</p> <p>Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production</p> <p>Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.</p>
	<p><u>Assessment Task 6</u></p> <p>Performance Criteria 1: Verify production register maintain by machine operators shift-wise.</p> <p>Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.</p> <p>Performance Criteria 3: Prepare shift production report.</p> <p>Performance Criteria 4: Prepare reports for faults occur during shift.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for semi-continuous dyeing machines dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Follow Dyeing Plan for semi-continuous dyeing process specified by your assessor correctly		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for semi-continuous dyeing according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Receive shade standards for shade matching	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Interpret specs for semi-continuous dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2		
		Prepare and ensure semi-continuous dyeing parameters specified by your assessor correctly using appropriate methods		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Instruct semi-continuous dyeing machine operators for dyeing process according to given parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Execute dyes and chemical preparation for semi-continuous dyeing at production level.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Set machine parameters for semi-continuous dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Supervise safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
		Identify shade by using shade matching method for semi-continuous dyed fabrics.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify shade standards for shade matching.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Match shade as per standards and make corrections if required.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Perform Dyeing specified by your assessor correctly using appropriate semi-continuous dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Execute production on set parameters according to program.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Verify quality of semi-continuous dyeing process.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify quality parameters during production for matching with standards.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Prepare production report for semi-continuous dyeing process.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify production register maintain by machine operators shift-wise.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Prepare shift production report.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Prepare reports for faults occur during shift.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for setting machine parameters for semi-continuous dyeing machines dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National vocational certificate level 3 in Textile Wet Processing – Dyeing Technologist	CS Code: 0723001102	Level: 3	Version: 1
Competency Standard Title: Carry out semi-continuous dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

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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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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:.....

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 3	Version: 1
Competency Standard Title: Carry out semi-continuous dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Define Pad Batch process?	Pad Batch Dyeing is one of the widely used technique for semi-continuous dyeing process. It is mainly used in the dyeing of cellulosic fibre like cotton or viscose (knit and woven fabric) with reactive dyes.
2. Disperse dyes may be applied on ----- -----fibres?	a) Natural b) Animal c) Vegetable d) Synthetic
3. Vat, Sulphur, Reactive, Disperse and Acid are the types of _____.	1. Dyes 2. Chemicals 3. Auxiliaries 4. Quality Tests
4. _____ dyes may be applied on wool, silk, paper, synthetic fibre sans leather materials / substrates?	a) Direct b) Acid c) Azoic d) pigment

Question	Candidate's answer
5. Polyester fabric can be dyed with _____?	<ul style="list-style-type: none"> a) Disperse dyes b) Reactive dyes c) Basic dyes d) Vat dyes
6. Dyeing Technologist uses and refer _____ for shade preparation?	<ul style="list-style-type: none"> a) Greige scale b) Blue scale c) AATCC manual d) Pantone Book
7. Thiourea dioxide , sodium bisulfite, sodium formaldehyde sulfoxylate, sodium hydrosulfite are the types of _____ agents.	<ul style="list-style-type: none"> a) Anti-foaming b) Anti-creasing c) Dispersing d) Reducing
8. Define Salt and its main use for dyeing?	<p>An ionic compound that is formed by a neutralization reaction (reaction of an acid with a base). The best known salt, common salt, or sodium chloride (NaCl) is extensively used as an electrolyte in dyeing.</p>
9. Abbreviation of pH is power of _____?	<ul style="list-style-type: none"> a) Hydrogen b) Hydrogen peroxide c) Helium d) Hydro sulphite
10. Tick the right sequence of semi-continuous dyeing process?	<ul style="list-style-type: none"> a) Padding-batching-washing b) Batching-padding- washing c) washing -batching-padding d) Padding- washing-batching

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001104	Level: 3	Version: 01
Competency Standard Title: Carry out Continuous Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

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: Follow Dyeing Plan for continuous dyeing process specified by your assessor correctly 2. Assessment Task 2: Prepare and ensure continuous dyeing parameters specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Identify shade by using shade matching method for continuous dyed fabrics. 4. Assessment Task 4: Perform Dyeing specified by your assessor correctly using appropriate continuous dyeing machine. 5. Assessment Task 5: Verify quality of continuous dyeing process. 6. Assessment Task 6: Prepare production report for continuous dyeing process. <p>And complete:</p> <ol style="list-style-type: none"> 7. Knowledge assessment test (Written) 8. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for continuous dyeing according to program sheet.</p> <p>Performance Criteria 2: Receive shade standards for shade matching</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Interpret specs for continuous dyeing process.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Instruct continuous dyeing machine operators for dyeing process according to given parameters.</p> <p>Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.</p> <p>Performance Criteria 3: Execute dyes and chemical preparation for continuous dyeing at production level.</p> <p>Performance Criteria 4: Set machine parameters for continuous dyeing process.</p> <p>Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.</p> <p>Performance Criteria 6: Supervise safety precautions as per job requirement.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Verify shade standards for shade matching.</p> <p>Performance Criteria 2: Match shade as per standards and make corrections if required.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Arrange material for dyeing process as program sheet.</p> <p>Performance Criteria 2: Execute production on set parameters according to program.</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Verify quality parameters during production for matching with standards.</p> <p>Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production</p> <p>Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.</p>
	<p><u>Assessment Task 6</u></p> <p>Performance Criteria 1: Verify production register maintain by machine operators shift-wise.</p> <p>Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.</p> <p>Performance Criteria 3: Prepare shift production report.</p> <p>Performance Criteria 4: Prepare reports for faults occur during shift.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for continuous dyeing machines dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Follow Dyeing Plan for continuous dyeing process specified by your assessor correctly		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Receive RFD (Ready for Dyeing) fabric for continuous dyeing according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Receive shade standards for shade matching	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Interpret specs for continuous dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2		
		Prepare and ensure continuous dyeing parameters specified by your assessor correctly using appropriate methods		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Instruct continuous dyeing machine operators for dyeing process according to given parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate amount of dyes and chemicals as per given in recipe for production as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Execute dyes and chemical preparation for continuous dyeing at production level.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Set machine parameters for continuous dyeing process.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Verify process parameters for dyeing as per dyeing plan.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Supervise safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
		Identify shade by using shade matching method for continuous dyed fabrics.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify shade standards for shade matching.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Match shade as per standards and make corrections if required.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Perform Dyeing specified by your assessor correctly using appropriate continuous dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Arrange material for dyeing process as program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Execute production on set parameters according to program.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Verify quality of continuous dyeing process.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify quality parameters during production for matching with standards.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Inspect physically dyeing process to maintain quality & in-time production	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Take corrective actions for any issues concerned with quality according to requirement.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Prepare production report for continuous dyeing process.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Verify production register maintain by machine operators shift-wise.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Calculate and Record efficiency of every machine for evaluating machine production progress.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Prepare shift production report.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Prepare reports for faults occur during shift.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for calculating amount of dyes and chemicals as per given recipe at production scale during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for setting machine parameters for continuous dyeing machines dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National vocational certificate level 3 in Textile Wet Processing – Dyeing Technologist	CS Code: 0723001103	Level: 3	Version: 1
Competency Standard Title: Carry out continuous dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

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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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name:.....Registration/Roll Number:..... Candidate Signature:.....
Written Assessment Outcome	<p>COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/></p> <p>Name of the Assessor: Assessor's code:</p> <p>Signature of the Assessor:.....</p>

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 3	Version: 1
Competency Standard Title: Carry out continuous dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. _____ is the type of continuous dyeing machine.	a) Pad Batch b) Pa Steam c) Jigger d) Winch
2. Reactive dyes may be applied on _____ fibres?	a) Cotton b) Nylon c) Polyester d) Synthetic
3. Alkali, Acid, Salt, Carries, are types of _____.	a) Dyes b) Fibres c) Auxiliaries d) Quality Tests

Question	Candidate's answer
<p>4. Enlist any THREE properties of good fixing agents for fixation of dyes on substrates?</p>	<p>1) good capability with cross linking agents without promoting yellowing effect 2) good leveling 3) good migration 4) does not affect the shade 5) good affinity for the fiber 6) stable to steaming and dry heat 7) improved all round fastness</p>
<p>5. The dispersing agent is used to assist the disperse dye to solubilize in water so that the dye molecule can be transferred from the dye bath to the _____.</p>	<p>a) Water b) Chemicals c) Dyes d) Textile substrate</p>
<p>6. Dyeing Technologist uses and refer _____ for shade matching?</p>	<p>a) Greige scale b) Blue scale c) J- Box d) Light Box</p>
<p>7. In continuous and semi-continuous dyeing methods the term "wet pick-up %age" does means?</p>	<p>In continuous and semi-continuous processes the liquor ratio is not of practical importance and it is not used as a parameter. In these processes the factors to be taken into account are the wet pick-up %, i.e. grams of liquor picked up by 100 grams of substrate, and the concentration of the dye.</p>
<p>8. _____ agents prevent di- and tri-valent metal ions from interfering with the chemical processing of the textile material?</p>	<p>a) Sequestering b) Leveling c) Reducing d) Dispersing</p>

Question	Candidate's answer
9. Sodium hydroxide and Potassium hydroxide are types of _____.	a) Carries b) Salt c) Alkalies d) Leveling agents
10. Why continuous dyeing is most popular?	Continuous dyeing is the most popular method of dyeing woven fabrics. The characteristics of this dyeing method are the numerous rollers which grey fabrics go in and come out dyed.

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001105	Level: 3	Version: 01
Competency Standard Title: Carry out laboratory testing of dyeing process	Assessment Date (DD/MM/YY): 00/00/0000		

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: Select textile substrate sample specified by your assessor correctly 2. Assessment Task 2: Perform Physical lab testing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Perform Chemical Testing specified by your assessor correctly using appropriate methods. 4. Assessment Task 4: Verify final results of tests performed. 5. Assessment Task 5: Maintain Quality Records <p>And complete:</p> <ol style="list-style-type: none"> 6. Knowledge assessment test (Written) 7. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Select sample from marketing department for quality tests.</p> <p>Performance Criteria 2: Select sample during production for testing purpose.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Calculate count of yarn as per given standard.</p> <p>Performance Criteria 2: Identify construction of fabric according to required parameters.</p> <p>Performance Criteria 3: Perform physical testing according to customers' requirement as follows:</p> <ul style="list-style-type: none"> • pH of the fabric • Tear and tensile test of woven fabric • Seam slippage • Abrasion and Pilling test. • Snagging test • Sinking test (Absorbency) • Color fastness (light, water, perspiration, chlorine, rubbing, washing, saliva, PVC,) • Perform shrinkage test. • Perform shade matching • Fabric GSM testing • Perform Berger whiteness test • Perform Barium activity number test
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Perform chemical testing as per standard.</p> <p>Performance Criteria 2: Check Water hardness through water hardness test</p> <p>Performance Criteria 3: Perform sizing chemical test (TEGWA test)</p> <p>Performance Criteria 4: Perform dyestuff testing as per standard (dyes identification testing)</p> <p>Performance Criteria 5: Test dyes and chemicals batch-wise.</p>
	<p><u>Assessment Task 4</u></p> <p>Performance Criteria 1: Determine the evaluation criteria of the tests.</p> <p>Performance Criteria 2: Evaluate the testing result according to the defined quality standards</p> <p>Performance Criteria 3: Settle machine and dyeing parameters according to quality testing results</p>
	<p><u>Assessment Task 5</u></p> <p>Performance Criteria 1: Record batch-wise testing reports (dyes and chemical) on daily basis.</p> <p>Performance Criteria 2: Coordinate with concerned person regarding production batches.</p> <p>Performance Criteria 3: Maintain record on daily basis.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for conducting physical tests during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for chemical tests during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓	✓	<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)					
Assessment Task 1		Description of assessment task 1 Select textile substrate sample specified by your assessor correctly			
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance Criteria 1: Select sample from marketing department for quality tests.		<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Select sample during production for testing purpose.		<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Perform Physical lab testing specified by your assessor correctly using appropriate methods		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Calculate count of yarn as per given standard.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Identify construction of fabric according to required parameters.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Perform physical testing according to customers' requirement as follows:			
a)	pH of the fabric	<input type="checkbox"/>	<input type="checkbox"/>	
b)	Tear and tensile test of woven fabric	<input type="checkbox"/>	<input type="checkbox"/>	
c)	Seam slippage	<input type="checkbox"/>	<input type="checkbox"/>	
d)	Abrasion test	<input type="checkbox"/>	<input type="checkbox"/>	
e)	Pilling test.	<input type="checkbox"/>	<input type="checkbox"/>	
f)	Sinking test (Absorbency)	<input type="checkbox"/>	<input type="checkbox"/>	
g)	Snagging test	<input type="checkbox"/>	<input type="checkbox"/>	
h)	Color fastness to light	<input type="checkbox"/>	<input type="checkbox"/>	
i)	Color fastness to water	<input type="checkbox"/>	<input type="checkbox"/>	
j)	Color fastness to perspiration	<input type="checkbox"/>	<input type="checkbox"/>	
k)	Color fastness to chlorine	<input type="checkbox"/>	<input type="checkbox"/>	
l)	Color fastness to rubbing	<input type="checkbox"/>	<input type="checkbox"/>	
m)	Perform shrinkage test.	<input type="checkbox"/>	<input type="checkbox"/>	
n)	Perform shade matching	<input type="checkbox"/>	<input type="checkbox"/>	
o)	Fabric GSM testing	<input type="checkbox"/>	<input type="checkbox"/>	
p)	Perform Berger whiteness test	<input type="checkbox"/>	<input type="checkbox"/>	
q)	Perform Barium activity number test	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
		Perform Chemical Testing specified by your assessor correctly using appropriate methods.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Perform chemical testing as per standard.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Check Water hardness through water hardness test	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Perform sizing chemical test (TEGWA test)	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Perform dyestuff testing as per standard (dyes identification testing)	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Test dyes and chemicals batch-wise.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4		
		Verify final results of tests performed.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Determine the evaluation criteria of the tests.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Evaluate the testing result according to the defined quality standards	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Settle machine and dyeing parameters according to quality testing results	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Maintain Quality Records		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record batch-wise testing reports (dyes and chemical) on daily basis.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Coordinate with concerned person regarding production batches.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Maintain record on daily basis.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
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	<u>Performance criteria 1:</u> Diary log of practical work for conducting physical tests during training.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2:</u> Diary log of practical work for chemical tests during training.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 3	Version: 1
Integrated Assessment B for Textile Wet Processing (Dyeing Technologist) Level-2: Perform dyeing on PC woven fabric by two bath two stage continuous process. Perform garment dyeing on 100% cotton garment by exhaust process.	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	To meet this standard you are required to complete the following tasks within six hours (2 hours for 1st and 4 hours for 2nd part) timeframe (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for pad thermosol dyeing. 2. Assessment Task 2: Operate pad thermosol dyeing machine for Polyester Portion dyeing of fabric. 3. Assessment Task 3: Perform RC (Reduction Clearing) on pad steam. 4. Assessment Task 4: Prepare workstation for pad-steam dyeing. 5. Assessment Task 5: Operate pad steam dyeing machine for cotton portion dyeing of fabric. 6. Assessment Task 6: Prepare workstation for garment dyeing. 7. Assessment Task 7: Operate garment dyeing machine for 100% cotton Garment. 8. Assessment Task 8: Maintain production Register for Pad Thermosol, Pad Steam and Garment dyeing machine. <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written) 2. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1: Prepare workstation for pad thermosol dyeing.</p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Clean and clear pad thermosol dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p>Assessment Task 2: Operate pad thermosol dyeing machine for Polyester</p> <p>Portion dyeing of fabric.</p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Apply Threading of feeding cloth as per requirement.</p> <p>Performance Criteria 3: Stitch RFD (ready for dyeing) fabric with feeding cloth on pad thermosol machine for dyeing as per program sheet.</p> <p>Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 5: Run pad thermosol dyeing machine to start the dyeing process as per program sheet..</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 7: Clean workstation after closing the job</p>
	<p>Assessment Task 3: Perform RC (Reduction Clearing) on pad steam.</p> <p>Performance Criteria 1: Arrange material for RC as per recipe.</p> <p>Performance Criteria 2: Ensure L:R and pH for RC as per recipe.</p> <p>Performance Criteria 3: Set temperature and time for RC on machine.</p> <p>Performance Criteria 4: Run machine to start the RC process as per program sheet.</p> <p>Performance Criteria 5: Perform washing and neutralizing dyed fabric</p>
	<p>Assessment Task 4: Prepare workstation for pad-steam dyeing</p> <p>Performance Criteria 1: Interpret program sheet for operating Pad steam dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Pad steam dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

Assessment Task 5: Operate pad steam dyeing machine for cotton portion dyeing of fabric.

- Performance Criteria 1: Follow safety precautions as per job requirement.
- Performance Criteria 2: Apply Threading of feeding cloth as per requirement.
- Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on pad steam dyeing machine for dyeing as per program sheet.
- Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.
- Performance Criteria 5: Run pad steam dyeing machine to start the dyeing process as per program sheet.
- Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.
- Performance Criteria 7: Wash-off & Neutralize dyed fabric as per program sheet.
- Performance Criteria 8: Clean workstation after closing the job

Assessment Task 6: Prepare workstation for garment dyeing.

- Performance Criteria 1: Interpret program sheet for operating garment dyeing machine.
- Performance Criteria 2: Clean and clear garment dyeing machine as per check list.
- Performance Criteria 3: Arrange material for dyeing process as per program sheet.
- Performance Criteria 4: Check and verify material and parameters according with program sheet.

Assessment Task 7: Operate garment dyeing machine for 100% cotton garment.

- Performance Criteria 1: Follow safety precautions as per job requirement.
- Performance Criteria 2: Load ready for dyeing (RFD) garment on garment dyeing machine for dyeing as per program sheet.
- Performance Criteria 3: Set machine parameters according to garment dyeing process requirement / program sheet.
- Performance Criteria 4: Run garment dyeing machine to start the dyeing process as per program sheet.
- Performance Criteria 5: Maintain quality during process according to program sheet.
- Performance Criteria 6: Wash-off & Neutralize dyed garment as per program sheet.
- Performance Criteria 7: Apply mechanical drying through hydro extractor as per process requirement.
- Performance Criteria 8: Dry processed garment through Tumble dryer as per process requirement.
- Performance Criteria 9: Clean workstation after closing the job

	<p>Assessment Task 8: Maintain production Register for Pad Thermosol, Pad Steam and Garment dyeing machine.</p> <p>Performance Criteria 1: .Record all parameters of dyeing process on production Register for Pad Thermosol, Pad Steam and Garment dyeing</p> <p>Performance Criteria 2: Record all machine parameters on production register for Pad Thermosol, Pad Steam and Garment dyeing machine.</p> <p>Performance Criteria 3: Record any faults occurring during dyeing process.</p> <p>Performance Criteria 4: Rectify faults occurs during process or contact with supervisor.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton knitted fabric dyeing by Winch dyeing machine.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the 100% polyester knitted fabric dyeing by Soft flow dyeing machine.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric dyeing by Pad batch dyeing machine.</p> <p><u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric pigment dyeing by Stenter machine.</p> <p><u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton yarn dyeing by Rope dyeing machine.</p>

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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				✓			

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1: Prepare workstation for pad thermosol dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Clean and clear pad thermosol dyeing machine as per check list.			
3	Arrange material for dyeing process as per program sheet.			
4	Check and verify material and parameters according to program sheet.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate pad thermosol dyeing machine for Polyester Portion dyeing of fabric.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Apply Threading of feeding cloth as per requirement.			
3	Stitch RFD (ready for dyeing) fabric with feeding cloth on pad thermosol machine for dyeing as per program sheet.			
4	Set machine parameters as per dyeing process requirement / program sheet.			
5	Run pad thermosol dyeing machine to start the dyeing process as per program sheet.			
6	Maintain quality parameters during process according to program sheet / protocol.			
7	Clean workstation after closing the job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Perform RC (Reduction Clearing) on pad steam.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Arrange material for RC as per recipe.			
2	Ensure L:R and pH for RC as per recipe.			
3	Set temperature and time for RC on machine.			
4	Run machine to start the RC process as per program sheet.			
5	Perform washing and neutralizing dyed fabric			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Prepare workstation for pad-steam dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Interpret program sheet for operating Pad steam dyeing machine.			
2	Clean and clear Pad steam dyeing machine as per check list.			
3	Arrange material for dyeing process as per program sheet.			
4	Check and verify material and parameters according to program sheet.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Operate pad steam dyeing machine for cotton portion dyeing of fabric.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Apply Threading of feeding cloth as per requirement.			
3	Stitch RFD (ready for dyeing / development) fabric with feeding cloth on pad steam dyeing machine for dyeing as per program sheet.			
4	Set machine parameters as per dyeing process requirement / program sheet.			
5	Run pad steam dyeing machine to start the dyeing process as per program sheet.			
6	Maintain quality parameters during process according to program sheet / protocol.			
7	Wash-off & Neutralize dyed fabric as per program sheet.			
8	Clean workstation after closing the job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of assessment task 6 Prepare workstation for garment dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Interpret program sheet for operating garment dyeing machine.			
2	Clean and clear garment dyeing machine as per check list.			
3	Arrange material for dyeing process as per program sheet.			
4	Check and verify material and parameters according with program sheet.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 7		Description of assessment task 7 Operate garment dyeing machine for 100% cotton garment.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Load ready for dyeing (RFD) garment on garment dyeing machine for dyeing as per program sheet.			
3	Set machine parameters according to garment dyeing process requirement / program sheet.			
4	Run garment dyeing machine to start the dyeing process as per program sheet.			
5	Maintain quality during process according to program sheet.			
6	Wash-off & Neutralize dyed garment as per program sheet.			
7	Apply mechanical drying through hydro extractor as per process requirement.			
8	Dry processed garment through Tumble dryer as per process requirement.			
9	Clean workstation after closing the job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 8		Description of assessment task 8 Maintain production Register for Pad Thermosol, Pad Steam and Garment dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Record all parameters of dyeing process on production Register for Pad Thermosol, Pad Steam and Garment dyeing			
2	Record all machine parameters on production register for Pad Thermosol, Pad Steam and Garment dyeing machine.			
3	Record any faults occurring during dyeing process.			
4	Rectify faults occurs during process or contact with supervisor.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
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	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton knitted fabric dyeing by Winch dyeing machine.				
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the 100% polyester knitted fabric dyeing by Soft flow dyeing machine.				
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric dyeing by Pad batch dyeing machine.				
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric pigment dyeing by Stenter machine.				
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton yarn dyeing by Rope dyeing machine.				
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

