Skills for Employment Investment Program (SEIP)

ASSESSMENT TOOL

FOR

WEAVING TECHNOLOGY

(TEXTILE SECTOR)

Finance Division, Ministry of Finance
Government of the People's Republic of Bangladesh

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PART A – THE ASSESSOR

Instructions to Assessor

Assessment is the process of identifying a candidate's skills and knowledge set against the industry established standards in the workplace. It requires the candidate to consistently and over time demonstrate skills, knowledge and attitude that enable confident completion of workplace tasks in a variety of situations.

In judging assessment evidence, the assessor must ensure that the evidence is:

- authentic (the candidate's own work)
- valid (directly related to the current version of the endorsed competency standard)
- reliable (show that the candidate consistently meets the endorsed unit of competency)
- current (reflects the candidate's current capacity to perform the aspect of work covered by the endorsed unit of competency)
- sufficient (covers the full range of elements in the relevant unit of competency)

There are a number of assessment methods that may be employed including but not limited to:

- written examination
- oral questioning
- practical demonstration

A single unit of competency may be assessed or a group of units of competency may be assessed, either in an actual workplace or a simulated workplace environment.

Conducting Assessment

Prior to commencement of assessment, candidates must have the tasks clearly explained to them. Also, the assessor should provide candidates with clear advice and information about the:

- date, time and place for assessment
- structure of assessment
- number of times performance must be demonstrated or observed
- amount or type of assistance candidates can expect
- assessment environment
- resources required for assessment
- performance standards or benchmarks relevant to the qualification

As well as informing the candidate of what they will be required to do during the assessment, the assessor will also need to explain what evidence they will need to provide in response to the various assessment tasks.

If a candidate is required to submit evidence, any explanation must include specific guidance on:

- what to include as evidence
- how to present the evidence
- how to submit the evidence and to whom

Assessing Competence

Competency-based assessment does not award grades, but simply identifies if the candidate has the skills, knowledge and attitudes to undertake the required task to the specified standard.

Therefore, when assessing competency an assessor has two possible results (assessment decisions) that can be awarded:

- Competent (C)
- Not Yet Competent (NYC)

Competent (C)

If the candidate is able to successfully answer and demonstrate what is required to the expected standard of the assessment criteria, they will be deemed as 'Competent'.

The assessor will award 'Competent' if they feel the candidate has the necessary skills, knowledge and attitudes in all assessment tasks for a given package.

Not Yet Competent (NYC)

If the candidate is unable to answer and demonstrate competency to the expected standard, they will be deemed to be 'Not Yet Competent'.

This does not mean the candidate will need to complete all the assessment tasks again. When applying for reassessment, the focus will be on the specific assessment tasks that were not performed to the required standard.

The candidate may be required to:

(a) undertake further training or instruction

(b) undertake the specific assessment task again until they are deemed to be competent

Recording Assessment Information

When all assessment tasks are concluded, the evidence summary sheet should be completed, signed by all parties, and any outstanding activities or issues actioned.

The assessor should ensure that all appropriate forms are completed and signed by all parties.

CHECKLIST FOR ASSESSOR		
Prior to the assessment I have:	**Tick (✓)**	**Remarks**
Ensured the candidate is informed about the venue and schedule of assessment.		
Received current copies of the assessment criteria to be assessed, assessment plan and evidence plan.		
Reviewed the assessment criteria and evidence plan to ensure I clearly understood the instructions and the requirements of the assessment process.		
Identified and accommodated any special needs of the candidate.		
Checked the set-up and resources for the assessment.		
During the assessment I have:		
Introduced myself and confirmed identities of candidates.		
Collected the admission slips.		
Put candidates at ease by being friendly and helpful.		
Checked completed self-assessment guide.		
Explained to candidates the purpose, context and benefits of the assessment.		
Ensured candidates understood the assessment process and the assessment procedure.		
Provided candidates with an overview of the assessment criteria to be used.		
Gave specific and clear instructions to the candidates.		
Observed carefully the specified time limits provided in the assessment package.		
Stayed at the assessment area during the entire duration of the assessment activity.		
Ensured notes are made on unusual conditions or situations during the assessment and include these in the report.		
Did not provide any assistance during the assessment or indicated in any way whether the candidate is or is not performing the		

activity correctly (intervened only for health and safety reasons).		
Implemented the evidence gathering process and ensured its validity, reliability, fairness and flexibility.		
Collected appropriate evidence and matched relevance to the elements, performance criteria, range of variables and evidence guide in the relevant units of competency.		
Explained the results reporting procedure to the candidate.		
Encouraged candidates to seek clarifications if in doubt about the pre- and post-assessment activity procedures.		
Asked candidates for feedback on the assessment.		
Explained legal, health and safety, and ethical issues, if applicable.		
After the assessment I have:		
Provided feedback on the assessment decision. This includes the following: ▪ clear and constructive feedback on the assessment decision ▪ information on ways of addressing any identified gaps in competency revealed by the assessment ▪ opportunity to discuss the assessment process and outcome ▪ information on reassessment process (if necessary) ▪ information on appeal (if necessary)		
Prepared the necessary assessment reports. This includes the following: ▪ record the assessment decision using the prescribed rating sheet ▪ maintain records of the assessment procedures, evidence collected and assessment decision ▪ endorse assessment decision to BTEB ▪ prepare recommendations for the issuance of certificate		
Thanked candidate for participating in the assessment.		

Assessment Evidence Guide

The purpose of assessment is to confirm that an individual can perform to the standards expected by in the workplace, as expressed in the competency standards.

To attain the certificate of **Weaving Technology**, a candidate must demonstrate competent skill and knowledge in all the units of competency listed below. Upon successful completion of all assessment activities, a candidate shall be awarded with a certificate.

CODE	UNIT OF COMPETENCY
Generic Competencies	
SEIP-TEX-WVG-01-G	Use basic mathematical concepts
SEIP-TEX-WVG-02-G	Apply occupational health and safety (OHS) practice in the workplace
SEIP-TEX-WVG-03-G	Carry out workplace interaction
SEIP-TEX-WVG-04-G	Operate in a team environment
SEIP-TEX-WVG-05-G	Apply basic IT skills
Sector-specific Competencies	
SEIP-TEX-WVG-01-S	Explore the history of textile sector
SEIP-TEX-WVG-02-S	Use hand and power tools
SEIP-TEX-WVG-03-S	Read and interpret sketches and drawings
Occupation-specific Competencies	
SEIP-TEX-WVG-01-O	Identify the basics of weaving technology
SEIP-TEX-WVG-02-O	Carry out preparation for weaving operation
SEIP-TEX-WVG-03-O	Perform shredding operation
SEIP-TEX-WVG-04-O	Perform picking operation
SEIP-TEX-WVG-05-O	Perform beating operation
SEIP-TEX-WVG-06-O	Identify weaving accessories and fabric faults

Assessment Evidence Plan

An assessment evidence plan is a document that assists in establishing what evidence needs to be collected by the assessor to ensure that the candidate meets all the appropriate requirements of the competency standard. It usually contains a record of:

- evidence requirements as set out in the competency standard
- who will collect the evidence
- time period needed to collect the evidence

Occupation:	Weaving Technology					
Unit Name:	Use basic mathematical concepts					
Unit Code:	SEIP-TEX-WVG-01-G					
Assessment Method:	**P**	**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify calculation requirements in the workplace	**1.1.** Calculation requirements are identified from workplace information.					√
	1.2. Mathematical problems are constructed from workplace.					√
2. Select appropriate mathematical methods/concepts for the calculation	**2.1.** Appropriate method is selected to carry out calculation requirement					√
	2.2. Constructed mathematical problems are solved with appropriate method.			√		√
3. Use tools/instrument to perform calculations	**3.1.** Tools and instruments required for computation are identified.					√
	3.2. Calculation is performed using appropriate tools and equipment.			√		√

Occupation:	Weaving Technology					
Unit Name:	Apply occupational health and safety (OHS) practice in the workplace					
Unit Code:	SEIP-TEX-WVG-02-G					
Assessment Method:	**P**	**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify OHS policies and procedures	**1.1.** OHS policies and safe operating procedures are interpreted.					√

	1.2. Safety signs and symbols are identified and followed.	√		
	1.3. Emergency response, evacuation procedures and other contingency measures are interpreted correctly.			√
2. Apply personal health and safety practices	**2.1.** OHS policies and procedures are applied in the workplace.	√		√
	2.2. Common health issues are recognised.	√		
	2.3. Common safety issues are identified.	√		
3. Report hazards and risks	**3.1.** Hazards and risks are identified.		√	
	3.2. Hazards and risks assessment and controls are interpreted.		√	
4. Respond to emergencies	**4.1.** Responded to alarms and warning devices.			√
	4.2. Emergency response plans and procedures are responded to.		√	
	4.3. First aid procedures during emergency situations are identified.	√		

Occupation:	Weaving Technology		
Unit Name:	Carry out workplace interaction		
Unit Code:	SEIP-TEX-WVG-03-G		
Assessment Method:	**P**	**O**	**W**
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*

Element	**Performance Criteria**	**P**	**O**	**W**
1. Interpret workplace communication and etiquette	**1.1.** Workplace codes of conduct are interpreted as per organisational guidelines.			√
	1.2. Appropriate lines of communication are maintained with supervisors and colleagues.		√	
	1.3. Workplace interactions are conducted in a courteous manner to gather and convey information.	√		
	1.4. Workplace procedures and matters are comprehended.		√	
2. Read and understand workplace documents	**2.1.** Workplace documents are interpreted correctly.			√
	2.2. Visual information/symbols/signage are understood correctly and followed.			√
	2.3. Specific and relevant information are accessed from appropriate sources.			√

	2.4. Appropriate medium is used to transfer information and ideas.	√		
3. Participate in workplace meetings and discussions	**3.1.** Team meetings are attended on time to ensure active participation.	√		
	3.2. Meeting procedures and etiquette are followed.		√	
	3.3. Active participation is ensured, opinions are expressed and heard.		√	
	3.4. Opinions and ideas of others and their importance in the development of relationships are respected.			
	3.5. Inputs are provided and interpreted in line with the meeting purpose.		√	
4. Practice professional ethics at work	**4.1.** Responsibilities as a team member are performed.	√	√	
	4.2. Tasks are performed in accordance with workplace procedures.	√		
	4.3. Confidentiality is maintained.		√	
	4.4. Inappropriate and conflicting situations are avoided.		√	

Occupation:	Weaving Technology		
Unit Name:	Operate in a team environment		
Unit Code:	SEIP-TEX-WVG-04-G		
Assessment Method:	**P**	**O**	**W**
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*

Element	**Performance Criteria**	**P**	**O**	**W**
1. Identify team goals and work processes	**1.1.** Roles and objectives of the team are interpreted.			√
	1.2. Roles and responsibilities of team members are interpreted.		√	
2. Identify own role and responsibilities within team	**2.1.** Personal role and responsibilities are identified within the team environment.			√
	2.2. Reporting relationships are interpreted within team and external to team.			√
3. Communicate and co-operate with team members	**3.1.** Other teammates' tasks are identified and provided support.	√		√
	3.2. The team is encouraged through sharing information or expertise, working together to solve problems putting team success first.			√
	3.3. Views and opinions of other team members are interpreted and respected.		√	

4. Practice problem solving within the team	**4.1.** Problems faced at the individual and team level are identified and showed insight into the root-causes of the problems.			√
	4.2. A range of solutions and courses of action are identified together with benefits, costs, and risks associated with each.		√	
	4.3. The good ideas of others to help develop solutions are recognised and seek advice from those who've solved similar problems.		√	
	4.4. It is looked beyond the obvious and not stopped at the first answers.		√	

Occupation:	Weaving Technology				
Unit Name:	Apply basic IT skills				
Unit Code:	SEIP-TEX-WVG-05-G				
Assessment Method:	**P**	**O**	**W**		
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*		
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify and use most commonly used IT tools	**1.1.** History of information technology (IT) is identified and summarised.					√
	1.2. Commonly used IT tools are identified and described.					√
2. Understand use of computer	**2.1.** Basic parts of a computer are identified.					√
	2.2. Turning on and off technique of a computer is performed.					√
	2.3. Working environment, functions and features of operating system is interpreted.				√	
	2.4. Simple trouble-shooting techniques are applied.					
3. Work with word processing application	**3.1.** Word processing application appropriate to perform activity is operated				√	
	3.2. Basic typing technique to document is applied.				√	
	3.3. Word processing techniques to document are employed.					√
	3.4. Personal CV writing using suitable word processing techniques is practiced.				√	
	3.5. Saving and retrieving technique of a document is used.				√	
4. Access email and search the internet	**4.1.** Use of email account in online environment is explained.				√	

	4.2. Writing and sending of workplace emails is completed.		√	
	4.3. Different browsers are identified to work online.			√
	4.4. Browsing different web portals and apply proper search techniques.			√

Occupation:	Weaving Technology					
Unit Name:	Explore the history of Textile Sector					
Unit Code:	SEIP-TEX-WVG-01-S					
Assessment Method:		**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Examine the background of textile sector	**1.1.** The historical background of textile sector is examined and described.					√
	1.2. Steps of textile processing are clearly identified.			√		
	1.3. Backward and forward linkages are identified.				√	
2. Identify prime local and export markets	**2.1.** Prime local markets and export markets are identified.					√
	2.2. Local and export markets are listed.					√

Occupation:	Weaving Technology					
Unit Name:	Use hand and power tools					
Unit Code:	SEIP-TEX-WVG-02-S					
Assessment Method:	**P**	**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify and inspect hand and power tools	**1.1.** Appropriate hand and power tools are identified.			√		
	1.2. Application of hand and power tools is recognised.				√	
	1.3. Usability of hand and power tools are checked and verified.			√		
2. Use hand tools properly and safely	**2.1.** Appropriate hand tools are selected.			√		√
	2.2. Safety precautions are ensured before using hand tools.			√		√

	2.3. Unsafe or faulty hand tools are identified and marked for repair.	√		√
	2.4. Measuring tools are checked and calibrated before use.	√		
	2.5. Use hand tools properly and safely to perform work activity.	√		
3. Operate power tools properly and safely	**3.1.** Appropriate power tools are selected.	√		
	3.2. Power supply outlet and electrical cord are inspected and confirmed safe for use in accordance with established workplace safety requirements.	√	√	
	3.3. Safety precautions are ensured before using power tools in accordance with manufacturer's operating specification.	√		
	3.4. Proper sequence of operation applied for using power tools.	√		
	3.5. Unsafe or faulty power tools are identified and marked for repair.	√		
	3.6. Operate power tools properly and safely to perform work activity.	√		
4. Clean and maintain hand and power tools	**4.1.** Dust and foreign matters are removed from hand and power tools in accordance to workplace standards.	√		
	4.2. Condition of hand and power tools is checked after use and report.	√		
	4.3. Appropriate lubricant is applied after use and prior to storage.	√		
	4.4. Measuring tools are checked and calibrated after use.	√		
	4.5. Defective hand and power tools are inspected and repaired or replaced.	√		
	4.6. Hand and power tools are stored and secured in accordance with workplace requirements.	√		

Occupation:	Weaving Technology				
Unit Name:	Read and interpret sketches and drawings				
Unit Code:	SEIP-TEX-SPN-03-S				
Assessment Method:	**P**	**O**	**W**		
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*		
Element	**Performance Criteria**			**P**	**O**	**W**

1. Interpret information and specifications	**1.1.** Appropriate manuals and specifications for work activity are identified and collected.			√
	1.2. Information and specifications and their importance is recognised.		√	
2. Read and interpret sketches and drawings	**2.1.** Relevant sketches and drawings are identified for job requirement.	√		
	2.2. Signs and symbols are identified and interpreted.	√		
	2.3. Schedules, dimensions, drawings and specifications are correctly read and interpreted.		√	

Occupation:	Weaving Technology		
Unit Name:	Identify the basics of weaving technology		
Unit Code:	SEIP-TEX-WVG-01-O		
Assessment Method:	**P**	**O**	**W**
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*

Element	**Performance Criteria**	**P**	**O**	**W**
1. Define weaving technology	**1.1.** Weaving technology is accurately defined and illustrated.			√
	1.2. Different types of weaves and materials are identified, compared and contrasted.	√		
	1.3. Role and responsibilities of weaving loom operate are identified and explained.	√		
	1.4. Weaving floor layout is described.			√
2. Identify tools and equipment	**2.1.** Appropriate tools and equipment are identified as per job requirement.	√		
	2.2. Looms and other machinery are identified and labelled according to classification.	√		
3. Classify raw materials	**3.1.** Raw material required to performing weaving is identified and selected.	√		
	3.2. Different types of yarn are identified, classified and distinguished by key characteristics.	√		
	3.3. Different types of sizing materials for wrap yarns are identified.	√		

Occupation:	Weaving Technology
Unit Name:	Carry out preparation for weaving operation
Unit Code:	SEIP-TEX-WVG-02-O

Assessment Method:		O	W
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*

1. Perform winding task	**1.1.** Materials, tools and equipment are identified and selected according to job requirement.	√		
	1.2. Yarns from ring bobbins are correctly wound to form packages.	√		
2. Perform warping task	**2.1.** Lubricant is checked and levels maintained as per manufacturers guideline.	√		
	2.2. Required number of yarn from a creel of single-end package is transferred to a beam.	√		
3. Perform sizing task	**3.1.** Size material is prepared and applied on to the warp sheet.	√		
	3.2. Hairiness and flexibility of yarn is checked and maintained.	√		
	3.3. Yarn tension is checked and adjusted as required.	√		

Occupation:	Weaving Technology		
Unit Name:	Perform shedding operation		
Unit Code:	SEIP-TEX-WVG-03-O		
Assessment Method:	**P**	**O**	**W**
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*

Element	**Performance Criteria**	**P**	**O**	**W**
1. Identify dobby shedding	**1.1.** Shedding mechanism is identified and explained.		√	
	1.2. Main parts of shedding mechanism are correctly identified.	√		
	1.3. Types of dobby shedding are identified and described.		√	
	1.4. Designs produced by dobby devices are examined.	√		
2. Prepare for shedding	**2.1.** Work instructions are received and confirmed with supervisor.	√		
	2.2. Appropriate personal protective equipment (PPE) is identified and selected.	√		
	2.3. Hand Tools and equipment are selected as per job requirement.	√		

3. Perform tappet shedding	**3.1.** Selected hand tools and equipment are used properly and safely.	√		
	3.2. Tapped shedding is performed as per standard operating procedure.	√		
	3.3. Shedding device is monitored and maintained during operation.	√		
	3.4. Report is prepared and submitted upon completion of shedding operation as per standard operating procedure.	√		
4. Perform jacquard shedding	**4.1.** Selected hand tools and equipment are used properly and safely.	√		
	4.2. Jacquard shedding is performed as per standard operating procedure.	√		
	4.3. Shedding device is monitored and maintained during operation.	√		
	4.4. Report is prepared and submitted upon completion of shedding operation as per standard operating procedure.	√		

Occupation:	Weaving Technology					
Unit Name:	Perform picking operation					
Unit Code:	SEIP-TEX-WVG-04-O					
Assessment Method:	**P**	**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify picking process	**1.1.** Picking process is accurately defined.					√
	1.2. Different techniques for picking are identified and described.					√
2. Prepare for picking	**2.1.** Work instructions are received and confirmed with supervisor.			√		
	2.2. Appropriate personal protective equipment (PPE) is identified and selected.			√		
	2.3. Hand tools and equipment is selected as per job requirement.			√		
3. Perform conventional picking	**3.1.** Selected hand tools and equipment are used properly and safely.			√		
	3.2. Conventional picking is carried out as per standard operating procedure.			√		
	3.3. Conventional picking machine/device is monitored and maintained during operation.			√		

4. Perform air jet picking	**4.1.** Selected hand tools and equipment are used properly and safely.	√		
	4.2. Air jet picking with yarn is carried out as per standard operating procedure to ensure quality.	√		
	4.3. Air jet picking machine/device is monitored and maintained during operation.	√		
5. Perform rapier, projectile and water jet picking	**5.1.** Selected hand tools and equipment are used properly and safely.	√		
	5.2. Rapier, projectile and water jet picking is carried out as per standard operating procedure.	√		
	5.3. Rapier, projectile and water jet picking machine/device is monitored and maintained during operation.	√		

Occupation:	Weaving Technology					
Unit Name:	Perform beating operation					
Unit Code:	SEIP-TEX-WVG-05-O					
Assessment Method:		**O**	**W**			
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*			
Element	**Performance Criteria**			**P**	**O**	**W**
1. Analyse different beating mechanisms	**1.1.** Different beating motions are identified, compared and distinguished.			√		
	1.2. Primary, secondary and tertiary mechanisms are identified and accurately defined.			√		
	1.3. Use of different motions in different types of looms are examined.			√		
2. Prepare for beating operation	**2.1.** Work instructions are received and confirmed with supervisor.				√	
	2.2. Appropriate personal protective equipment (PPE) is identified and selected.			√		
	2.3. Hand tools and equipment is selected as per job requirement.			√		
3. Perform cam and crank beat up	**3.1.** Selected hand tools and equipment are used properly and safely.			√		
	3.2. Cam and crank beat up is carried out as per standard operating procedure.			√		
	3.3. Mechanism is monitored and maintained during operation to ensure quality production.			√		
	4.1. Selected hand tools and equipment are used properly and safely.			√		

4. Perform beating system with conventional loom	**4.2.** Beating system using conventional loom is carried out as per standard operating procedure.	√		
	4.3. Beating system using conventional loom is carried out as per standard operating procedure.	√		
5. Perform beating system with modern loom	**5.1.** Selected hand tools and equipment are used properly and safely.	√		
	5.2. Beating system using conventional loom is carried out as per standard operating procedure.	√		
	5.3. Beating system using conventional loom is carried out as per standard operating procedure.	√		

Occupation:	Weaving Technology				
Unit Name:	Identify weaving accessories and fabric faults				
Unit Code:	SEIP-TEX-WVG-06-O				
Assessment Method:	**P**	**O**	**W**		
	Performance *(including demonstration and observation)*	Oral questioning	Written examination *(including short-answer, multiple choice, and true or false questions)*		
Element	**Performance Criteria**			**P**	**O**	**W**
1. Identify weaving accessories	**1.1.** Weaving accessories are identified and selected as per job requirement.			√		
	1.2. Selected weaving accessories are implemented.			√		
2. Identify fabric faults	**2.1.** Fabric faults are identified and categorised according to severity levels and possible causes are determined.			√		√
	2.2. Identified faults are reported to the appropriate authority.				√	
3. Test the quality of the fabric	**3.1.** Fabric quality is identified and established.			√		
	3.2. Fibre and yarn properties are tested.			√		
	3.3. Test results are reported to appropriate authority.			√		

PART B – THECANDIDATE

Instructions to Candidate

To be assessed as competent, you must provide evidence which demonstrates that you can perform to the necessary standard the various elements of this unit of competency that comprise of the Certificate in Weaving Technology. Assessment of competency requires you to consistently demonstrate skill, knowledge and aptitude (through a variety of assessment tools such as multiple choice, short-answer questions, oral questioning, workplace observation, and practical demonstration) that enables confident completion of workplace tasks in a variety of situations.

In judging the evidence, your assessor must ensure that the evidence is:

- authentic (your own work)
- valid (directly related to the current version of the units of competency)
- reliable (consistently demonstrates of your knowledge and skill)
- current (shows your current capacity to perform the work)
- sufficient (covers the full range of elements comprised within the units of competency)

Furthermore, the assessment process must:

- provide for valid, reliable, flexible and fair assessment
- provide for judgment to be made on the basis of sufficient evidence
- offer valid, authentic and current evidence
- include workplace requirements

There are two types of assessment:

1. Knowledge Assessment - is designed to enable assessment against the various *elements* contained within the units of competency through a variety of activities such as multiple choice, short-answer questions, oral questioning. It is essentially examining your theoretical knowledge.

   This provides the assessor with substantial evidence of your knowledge and aptitude to perform the work relating to the specific unit of competency, in conjunction with other assessment tools such as workplace observation.

   You should complete the knowledge assessment as directed by the assessor and follow all instructions as and when given. If you are unable to complete the knowledge assessment, please speak to the assessor about alternative assessment solutions.

2. Skill Assessment - is designed to enable assessment against the various *performance criteria* contained within the units of competency through, for example, demonstration of skill in a simulated or actual work environment. In essence, it is an examination of your practical ability.

   This provides the assessor with substantial evidence of your ability to perform the work relating to the specific unit of competency to the standard expected by industry (the benchmark).

   You should complete the skill assessment as directed by the assessor and follow all instructions as and when given, ensuring your own health and safety.

Once you have been assessed as competent against all of the units of competency comprising of the qualification being undertaken, you will be awarded your certificate.

You assessor will discuss in more detail the requirements for assessment for each unit of competency at the appropriate time.

And please do not panic if you are not assessed as competent on any part of your qualification at your first attempt. Your assessor will discuss with you any identified skill and knowledge gaps, work through those with you and assist you as much as possible in attaining competency.

Self-Assessment Guide

Before undertaking any assessment, you should review the list of skills, knowledge and aptitudes relating to the assessment (drawn from the units of competency, its various elements and performance criteria) to determine whether you have current competency in these areas.

If you believe you can demonstrate the skills and knowledge required and can successfully complete the various assessment activities, you should then proceed to discuss your assessment with the assessor and complete Assessment Agreement.

However, should you not believe, for whatever reason, that you are not able to successfully complete the various assessment activities, then speak with the assessor. The assessor will assist you in identifying any skill and knowledge gaps, work through those with you and assist you as much as possible in attaining competency.

Please complete the self-assessment checklist below and discuss with the assessor.

Qualification:	**Weaving Technology**
Units of competency:	**Generic units:** Use basic mathematical concepts Apply occupational health and safety (OHS) practices in the workplace Carry out workplace interaction Operate in a team environment Apply basic IT skills **Sector-specific units:** Explore the history of Textile Sector Use hand and power tools Read and interpret sketches and drawings **Occupation-specific units:** Identify the basics of weaving technology Carry out preparation for weaving operation Perform shedding operation Perform picking operation Perform beating operation Identify weaving accessories and fabric faults

Instructions:

- Read each of the questions in the left-hand column of the chart
- Place a tick (√) in the appropriate box opposite each question to indicate your answer

Can I?	**YES**	**NO**
▪ Identify calculation requirements from workplace information		
▪ Construct mathematical problems from workplace		

▪ Select appropriate method to carry out calculation requirement		
▪ Solve constructed mathematical problems with appropriate method		
▪ Identify tools and instruments required for computation		
▪ Perform calculation using appropriate tools and equipment		
▪ Interpret OHS policies and safe operating procedures		
▪ Identify and follow safety signs and symbols		
▪ Interpret correctly emergency response, evacuation procedures and other contingency measures		
▪ Apply OHS policies and procedures in the workplace		
▪ Recognise common health issues		
▪ Identify common safety issues		
▪ Interpret hazards and risks assessment and controls		
▪ Respond to alarms and warning devices		
▪ Respond to emergency response plans and procedures		
▪ Identify first aid procedures during emergency situations		
▪ Interpret workplace codes of conduct as per organizational guidelines		
▪ Maintain appropriate lines of communication with supervisors and colleagues.		
▪ Conduct workplace interactions in courteous manner to gather and convey information		
▪ Comprehend workplace procedures and matters		
▪ Interpret correctly workplace documents		
▪ Understand correctly and follow visual information/symbol/signage		
▪ Access specific and relevant information from appropriate sources		
▪ Use appropriate medium to transfer information and ideas		
▪ Attend team meetings on time to ensure active participation		
▪ Follow meeting procedures and etiquette		
▪ Ensure active participation, express and hear opinions		
▪ Respect opinions and ideas of others and their importance in the development of relationships		
▪ Provide and interpret inputs in line with the meeting purpose		
▪ Perform responsibilities as a team member		
▪ Perform tasks in accordance with workplace procedures		
▪ Maintain confidentiality		
▪ Avoid inappropriate and conflicting situations		

▪ Interpret roles and objectives of the team		
▪ Interpret roles and responsibilities of the team members		
▪ Identify personal role and responsibilities within the team environment		
▪ Interpret reporting relationships within team and external to team		
▪ Identify and provide support t other teammates' tasks		
▪ Encourage the team through sharing information or expertise, working together to solve problems putting team success first		
▪ Interpret and respect views and opinions of other team members		
▪ Identify problems faced at the individual and team level and shows insight into the root-causes of the problems		
▪ Identify a range of solutions and courses of action together with benefits, costs, and risks associated with each		
▪ Recognise the good ideas of others to help develop solutions and seek advice from those who've solved similar problems		
▪ Look beyond the obvious and not stop at the first answers		
▪ Identify and summarise history of information technology (IT)		
Identify and describe commonly used IT tools		
▪ Identify basic parts of a computer		
▪ Perform turning on and off technique of a computer		
▪ Interpret working environment, functions and features of operating system		
▪ Apply simple trouble-shooting techniques		
▪ Operate word processing application appropriate to perform activity		
▪ Apply basic typing technique to document		
▪ Employ word processing techniques to document		
▪ Practice personal CV writing using suitable word processing techniques		
▪ Use saving and retrieving techniques of a document		
▪ Explain use of email account in online environment		
▪ Complete writing and sending of workplace emails		
▪ Identify different browsers to work online		
▪ Browse different web portals and apply proper search techniques		
▪ Examine and describe the historical background of textile sector		
▪ Identify clearly the steps of textile processing		
▪ Identify backward and forward linkages		

▪ Identify prime local markets and export markets		
▪ List local and export markets		
▪ Identify appropriate hand and power tools		
▪ Recognise application of hand and power tools		
▪ Check and verify usability of hand and power tools		
▪ Select appropriate hand tools		
▪ Ensure safety precautions before using hand tools		
▪ Identify unsafe or faulty hand tools and mark for repair		
▪ Check and calibrate measuring tools before use		
▪ Use hand tools properly and safely to perform work activity		
▪ Select appropriate power tools		
▪ Inspect power supply outlet and electrical cord and confirm safe for use in accordance with workplace safety requirements		
▪ Ensure safety precautions before using power tools in accordance with manufacturer's operating specification		
▪ Apply proper sequence of operation for using power tools		
▪ Identify and mark for repair unsafe or faulty power tools		
▪ Operate power tools properly and safely to perform work activity		
▪ Remove dust and foreign matters from hand and power tools in accordance to workplace standards		
▪ Check condition of hand and power tools after use and report		
▪ Apply appropriate lubricant after use and prior to storage		
▪ Check and calibrate measuring tools after use		
▪ Inspect defective hand and power tools and repair or replace		
▪ Store and secure hand and power tools in accordance with workplace requirements		
▪ Identify and collect appropriate manuals and specifications for work activity		
▪ Recognise importance of information and specifications		
▪ Identify relevant sketches and drawings for job requirement		
▪ Identify and interpret signs and symbols		
▪ Read and interpret correctly schedules, dimensions, drawings and specifications		
▪ Define and illustrate weaving technology accurately		
▪ Identify different types of weaves and materials, compared and contrasted		

▪ Identify, operate and explain role and responsibilities of weaving loom		
▪ Describe weaving floor layout		
▪ Identify appropriate tools and equipment as per job requirement		
▪ Identify and label looms and other machinery according to classification		
▪ Identify and select raw materials required to performing weaving		
▪ Identify, classify and distinguished by key characteristics of different types of yarns		
▪ Identify different types of sizing materials for warp yarns		
▪ Identify and select materials, tools and equipment according to job requirement		
▪ Wound yarn correctly from ring bobbins to form packages		
▪ Check lubricant and maintain level as per manufacturers guidelines		
▪ Transfer a required number of yarn from a creel of single-end package to a beam		
▪ Prepare and apply size material on to the warp sheet		
▪ Check and maintain hairiness and flexibility of yarn		
▪ Check and adjust yarn tension as required		
▪ Identify and explain shedding mechanism		
▪ Identify main parts of shedding mechanism correctly		
▪ Identify and describe types of dobby shedding		
▪ Examine design produced by dobby devices		
▪ Receive and confirm work instructions with supervisor		
▪ Identify and select appropriate personal protective equipment		
▪ Select hand tools and equipment as per requirement		
▪ Use selected hand tools and equipment properly and safely		
▪ Perform tappet shading as per standard operating procedure		
▪ Monitor and maintain shedding device during operation		
▪ Prepare and submit report upon completion of shedding operation as per standard operating procedure		
▪ Perform jacquard shedding as per standard operating procedure		
▪ Monitor and maintain shedding device during operation		
▪ Prepare and submitted report upon completion of shedding operation as per standard operating procedure		
▪ Define picking process accurately		

▪ Identify and describe different techniques for picking		
▪ Carry out conventional picking as per standard operating procedure		
▪ Monitor and maintain conventional machine /device during operation		
▪ Carry out air jet picking with yarn as per standard operating procedure to ensure quality		
▪ Monitor and maintain air jet picking machine/device during operation		
▪ Carry out rapier, projectile and water jet picking as per standard operating procedure		
▪ Monitor and maintain rapier, projectile and water jet picking machine/device during operation		
▪ Identify, compare, and distinguish different beating motion		
▪ Identify and define primary, secondary and tertiary mechanism accurately		
▪ Examine different motions in different types of looms		
▪ Carry out cam crank beat up as per standard operating produce		
▪ Monitor and maintain mechanism during operation to ensure quality production		
▪ Carry out beating system using conventional loom as per standard operating procedure		
▪ Carry out beating system using modern loom as per standard operating procedure		
▪ Identify and select weaving accessories as per job requirement		
▪ Implement selected weaving accessories		
▪ Identify fabric faults and make category according to severity and determine possible causes		
▪ Report identified faults to appropriate authority		
▪ Identify and establish fabric quality		
▪ Test fibre and yarn properties		
▪ Report test results to appropriate authority		
▪ Clean work area		
▪ Dispose of waste materials in proper place		
I agree to undertake assessment in the knowledge that the information gathered will only be used for educational and professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's signature:		**Date:**

PART C – THE ASSESSMENT

Assessment Agreement – Weaving Technology

The purpose of assessment is to confirm that you can perform to the standards expected in the workplace of an occupation, as expressed in the competency standards (after completion of self-assessment and in agreement with assessor).

To help achieve this, an assessment agreement is required to navigate both you and the assessor through the assessment process.

The assessment agreement is designed to provide a clear understanding of what and how you will be assessed and to nominate the tools that may be used to collect the assessment evidence.

You, the assessor and/or workplace supervisor should agree on the assessment requirements, dates and deadlines.

Therefore, to attain the Certificate of Weaving Technology, you must demonstrate competence in the following units, as established in the assessment agreement:

CODE	UNIT OF COMPETENCY
Generic Competencies	
SEIP-TEX-WVG-01-G	Use basic mathematical concepts
SEIP-TEX-WVG-02-G	Apply occupational health and safety (OHS) practice in the workplace
SEIP-TEX-WVG-03-G	Communicate in English in the workplace
SEIP-TEX-WVG-04-G	Work in a self-directed team
SEIP-TEX-WVG-04-G	Apply basic IT skills
Sector-specific Competencies	
SEIP-TEX-WVG-01-S	Explore the history of textile sector
SEIP-TEX-WVG-02-S	Use hand tools and power tools
SEIP-TEX-WVG-03-S	Read and interpret sketches and drawings
Occupation-specific Competencies	
SEIP-TEX-WVG-01-O	Identify the basics of weaving technology
SEIP-TEX-WVG-02-O	Carry out preparation of weaving operation
SEIP-TEX-WVG-03-O	Perform shredding operation
SEIP-TEX-WVG-04-O	Perform picking operation
SEIP-TEX-WVG-05-O	Perform beating operation
SEIP-TEX-WVG-06-O	Identify weaving accessories and fabric faults

After successful completion of learning and assessment, you shall be awarded with a certificate.

Assessment Agreement	
Occupation:	Weaving Technology
Assessment Centre:	
Candidate Name:	
Assessor Name:	
Unit of Competency	
Generic Competencies	
SEIP-TEX-WVG-01-G	Use basic mathematical concepts
SEIP-TEX-WVG-02-G	Apply occupational health and safety (OHS) practice in the workplace
SEIP-TEX-WVG-03-G	Communicate in English in the workplace
SEIP-TEX-WVG-04-G	Work in a self-directed team
SEIP-TEX-WVG-05-G	Apply basic IT skills
Sector-specific Competencies	
SEIP-TEX-WVG-01-S	Explore the history of textile sector
SEIP-TEX-WVG-02-S	Use hand tools and power tools
SEIP-TEX-WVG-03-S	Read and interpret sketches and drawings
Occupation-specific Competencies	
SEIP-TEX-WVG-01-O	Identify basics of weaving technology
SEIP-TEX-WVG-02-O	Carry out preparation for weaving operation
SEIP-TEX-WVG-03-O	Perform shredding operation
SEIP-TEX-WVG-04-O	Perform picking operation
SEIP-TEX-WVG-05-O	Perform beating operation
SEIP-TEX-WVG-06-O	Identify weaving accessories and fabric faults
Resources Required for Assessment	
Candidates must have access to the following: ▪ copies of activities, questions, projects nominated by the assessor ▪ relevant organisational policies, protocols and procedural documents (if required) ▪ devices or tools to record answers ▪ appropriate actual or simulated workplace ▪ all necessary tools and equipment used in performance of the work-based task ▪ any other resources normally used in the workplace	
Assessment Instructions	
Candidates should respond to the formative and summative assessments either verbally or in writing as agreed with the assessor. Written responses can be recorded in the spaces provided (if more space is required attach additional pages) or submitted in a word-processed document. If candidates answer verbally, the assessor should record their answers in detail. Candidates should also undertake observable tasks that provide evidence of performance. The assessor must provide instruction to candidates on what is expected during observation and arrange a suitable time and location for demonstration of these skills.	

Candidates must fully understand what they are required to do to complete these assessment tasks successfully, then sign the declaration.
Performance Standards
To receive a **satisfactory** result for the assessments, candidates must complete all activities, questions, projects, and tasks nominated by the assessor, to the required standard. Completion of all tasks for a unit of competency, to a satisfactory level, will contribute to an assessment of competence for that specific individual unit (or units if holistic assessment approach is taken). Successful completion of all the units of competency that comprise of the qualification Weaving Technology, will result in the candidate being issued with the relevant, nationally recognised certificate. Assessors must clearly explain the required performance standards.
Declaration
I declare that: ▪ the assessment requirements have been clearly explained to me ▪ all the work completed towards assessment will be my own ▪ cheating and plagiarism are unacceptable

Candidate Signature:		**Date:**	
Assessor Signature:		**Date:**	

PART D – ASSESSMENT TOOLS

Specific Instructions to Assessor

Please read carefully and prepare as necessary:

1. The assessor shall (practical demonstration assessment activities):
    - provide the candidate with the necessary tools, equipment, machinery and materials for completion of the following practical demonstration assessment activities:
        - prepare warp and weft yarn for cotton weaving
        - operate weaving machine
    - provide the candidate with the copy of the specific instruction to candidate
    - allow each practical demonstration to be performed within three (3) hours including preparation of the materials
    - ensure that the candidate **FULLY** understands the instructions before proceeding to the performance of the assessment activity
    - allow fifteen (15) minutes for the candidate to familiarise themselves with the resources to be used during the practical demonstrations
    - ensure that the candidate is wearing appropriate personal protective equipment (PPE) before allowing them to proceed with the assessment activity
2. Assessment shall be based on the performance criteria in each of the units of competency. The evidence gathering method shall be comprised of:

    (a) Written Test (1 hour) – **knowledge evidence**

    (b) Practical Demonstration (6 hours) – **performance evidence**

    The practical demonstration activities will be divided into two (2) tasks:

    (i) Practical Demonstration 1 (3 hours)

    (ii) Practical Demonstration 2 (3 hours)
3. Final assessment is your responsibility as the accredit/certified assessor.
4. At the conclusion of each assessment activity, you will provide feedback to the candidate of the assessment result. The feedback will indicate whether the candidate is:

    ❑ **COMPETENT**

    ❑ **NOT YET COMPETENT**
5. The list of tools, equipment, machinery and materials to be provided for completion of the practical demonstration assessment activities can be found at page 39-40 and 43-44 respectively.

Specific Instructions to Candidate

You should respond to the assessment either in writing or verbally as agreed with the assessor. Written responses can be recorded in the spaces provided; if more space is required attach additional pages or submit a word-processed document.

If you answer verbally, the assessor should record your answers in detail. Please check your recorded answers carefully and thoroughly to ensure that they are accurate.

You may also be undertaking observable activities (i.e. practical demonstration) that provide evidence of performance. The assessor must provide you with clear instructions on what is expected during this type of assessment and arrange a suitable time and location for demonstration of these skills.

To receive a satisfactory result for the assessments, you must complete all of the assessment activities; including questions, projects and tasks nominated by the assessor, to the required standard.

This assessment is based upon the units of competency in Weaving Technology. Using the performance criteria as a benchmark, evidence will be gathered through:

1. Written Test (1 hour) – a variety of multiple-choice, true of false and short answer theory questions to support your competence with regard to the required knowledge (**knowledge evidence**).

2. Practical Demonstration (6 hours) – observable tasks outlined in the elements and performance criteria of the units of competency, completed to support a judgement of satisfactory performance to the required standard (**performance evidence**).

   There will be one (1) set of practical demonstration activities to complete:

   - prepare warp and weft yarn for cotton weaving (3 hours)
   - operate weaving machine

3. The assessor will provide all necessary tools, equipment, machinery and materials required to complete each assessment activity.

4. These assessments cover all units of competency for Weaving Technology.

5. The assessor will provide you with feedback of your performance after completion of each assessment activity. This feedback shall indicate whether you are:

   ❑ **COMPETENT**
   ❑ **NOT YET COMPETENT**

6. Complete of all assessment activities, to a satisfactory level, will contribute to a final assessment of competence.

Written Test

WRITTEN TEST - INSTRUCTIONS	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving technology
Unit of Competency	
Generic Competencies	
SEIP-TEX-WVG-01-G	Use basic mathematical concepts
SEIP-TEX-WVG-02-G	Apply occupational health and safety (OHS) practice in the workplace
SEIP-TEX-WVG-03-G	Carry out workplace interaction
SEIP-TEX-WVG-04-G	Operate in a team environment
SEIP-TEX-WVG-05-G	Apply basic IT skills
Sector-specific Competencies	
SEIP-TEX-WVG-01-S	Explore the history of textile sector
SEIP-TEX-WVG-02-S	Use hand and power tools
SEIP-TEX-WVG-03-S	Read and interpret sketches and drawings
Occupation-specific Competencies	
SEIP-TEX-WVG-01-O	Identify basics of weaving technology
SEIP-TEX-WVG-02-O	Carry out preparation of weaving operation
SEIP-TEX-WVG-03-O	Perform shredding operation
SEIP-TEX-WVG-04-O	Perform picking operation
SEIP-TEX-WVG-05-O	Perform beating operation
SEIP-TEX-WVG-06-O	Identify weaving and fabric faults
Assessment Centre:	
Date of Assessment:	
Time of Assessment:	
Instructions:	
Read and understand the directions carefully: ▪ this written examination is based on the performance criteria from all the units of competency in Weaving Technology ▪ this assessment activity will be used to measure your underpinning knowledge ▪ write your answers on the paper provided ▪ answer all the questions as best as possible ▪ you have 1 (one) hour to complete this test	

WRITTEN TEST		
Multiple Choice		
This is a **multiple-choice** of test. Choose the appropriate answer and circle the letter that corresponds with your answer.		
1.	What percentage of 250 is 50?	a. 10% b. 20% c. 25% d. 50%
2.	Which one is an IT tool?	a. Computer b. Sewing machine c. Hammer d. Hack saw
3.	Which is not a shedding mechanism?	a. Dobby b. Jacquar c. Air jet picking d. Both a and c
4.	If you are member of a team, who should you approach to communicate your concern?	a. Co-worker b. General Manager c. Line leader d. Friend
5.	Which one shows professional ethics at work?	a. Not taking responsibility from work b. Coming to work 45 minutes after the required time c. Maintaining confidentiality at work d. Finishing the work on the following day, anyway, you will still come the next day
6.	What is PPE?	a. Personal picking element b. Personal protective element c. Personal picking equipment d. Personal protective equipment
7.	What is one step of the weaving process?	a. Spinning b. Knitting c. Shedding d. Plastering

8.	Which is a measuring tool used in weaving process?	a. Protractor b. Screw driver c. Steel pan d. Bucket
9.	The short cut to paste a text is?	a. Control C b. Alt C c. Control V d. Control P
10.	How many types of basic weaves are used for weaving operation?	a. One b. Two c. Three d. Four
True of False Quiz		
Tick (√) the box corresponding to the correct answer.		
11.	The words “Dear Md. Shafiqul Saddaq”, “Very Respectfully Yours,” are words that must be use when sending emails.	True ☐ False ☐
12.	Excessive noise can cause permanent hearing loss.	True ☐ False ☐
13.	Manuals are not necessary in weaving technology specially in machine operation, everything else can be learned through the internet.	True ☐ False ☐
Fill in the Missing Blanks		
Write the word or group of words needed to complete the following sentences.		
14.	_____ is used to protect eyes from flying particles and other debris which may cause personal injury to a worker.	
15.	_____is used for long runs of grey fabrics.	
Short Answer		
Write a short answer in the space provided (not to exceed more than approximately twenty-five (25) words).		
16.	What is weaving?	

17.	Write down the name of 5 (five) tools/equipment for weaving.	
18.	List five (5) types of raw materials required to perform weaving.	
19.	What is sizing? Write down the name of some sizing materials.	
20.	Define shedding, picking and beating up.	

Feedback to candidate:

Assessment decision for this assessment activity:

☐ **Competent** ☐ **Not Yet Competent**

Candidate's Signature:		**Date:**	
Assessor's Signature:		**Date:**	

Written Test - Answers

Answers are highlighted in **bold** and *italics*.

Multiple Choice		
1.	What percentage of 250 is 50?	a. 10% ***b. 20%*** c. 25% d. 50%
2.	Which one is an IT tool?	***a. Computer*** b. Sewing machine c. Hammer d. Hack saw
3.	Which is not a shedding mechanism?	a. Dobby b. Jacquar ***c. Air jet picking*** d. Both a and c
4.	If you are member of a team, who should you approach to communicate your concern?	a. Co-worker b. General Manager ***c. Line leader*** d. Friend
5.	Which one shows professional ethics at work?	a. Not taking responsibility from work b. Coming to work 45 minutes after the required time ***c. Maintaining confidentiality at work*** d. Finishing the work on the following day, anyway, you will still come the next day
6.	What is PPE?	a. Personal picking element b. Personal protective element c. Personal picking equipment ***d. Personal protective equipment***
7.	What is one step of the weaving process?	a. Spinning b. Knitting ***c. Shedding*** d. Plastering

8.	Which is a measuring tool used in weaving process?	***a. Protractor*** b. Screw driver c. Steel pan d. Bucket
9.	The short cut to paste a text is?	a. Control C b. Alt C ***c. Control V*** d. Control P
10.	How many types of basic weaves are used for weaving operation?	a. One b. Two c. Three d. Four
True of False Quiz		
11.	The words “Dear Md. Shafiqul Saddaq”, “Very Respectfully Yours,” are words that must be use when sending emails.	***True*** √ False ☐
12.	Excessive noise can cause permanent hearing loss.	***True*** √ False ☐
13.	Manuals are not necessary in weaving technology specially in machine operation, everything else can be learned through the internet.	True ☐ ***False*** √
Fill in the Missing Blanks		
14.	***Safety googles*** is used to protect eyes from flying particles and other debris which may cause personal injury to a worker.	
15.	***Beam/Dried/High speed warping*** is used for long runs of grey fabrics.	
Short Answer		
16.	Define weaving.	***Weaving is a method of textile production in which two distinct sets of yarns or threads are interlaced at right angles to form a fabric or cloth. The longitudinal threads are called the warp and the lateral threads are the weft or filling.***
17.	Write down the name of five (5) tools/equipment for weaving.	***Wire stripper*** ***Adjustable wrench*** ***Hammer*** ***Pliers*** ***Screwdriver***

		Techo meter ***Viscosity cup*** ***Refractor meter***
18.	List five (5) types of raw materials required to perform weaving.	***There are eight types of yarn use in the weaving operation. They are cotton, polyester, cotton/polyester (mix), nylon, and acrylic. There are eight types of yarn use in the weaving operation. They are cotton, polyester, cotton/polyester (mix), nylon, acrylic, viscous, wool, silk.***
19.	What is sizing? Write down the name of some sizing materials.	***Sizing is a chemical treatment or coating process of wrap yarn to increase the strength of yarn and weaving efficiency.*** ***Sizing materials: starch, fine, guar, gum and gum alginate.***
20.	Define shedding, picking and beating up.	***Shedding: Separating the warp threads into two layers to form a tunnel known as the shed.*** ***Picking: Passing the weft thread through the shed.*** ***Beating –up: Pushing the newly inserted length of weft, known as the pick, into the already woven fabric at a point known as the fell.***

Practical Demonstration 1

PRACTICAL DEMONSTRATION 1	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving Technology
Task:	Prepare warp and weft yarn for cotton weaving
Assessment Centre:	
Date of Assessment:	
Time of Assessment:	

Instructions:

Read and understand the directions carefully:

- this practical demonstration is based on the performance criteria from all or some of the units of competency in Weaving Technology
- this assessment activity will be used to measure your underpinning skills
- you will have fifteen (15) minutes to familiarise yourself with the resources to be used
- you have three (3) hours to complete this demonstration

Procedure:

- observe and wear personal protective equipment (PPE) as required for the task to be performed
- read the specification information provided
- collect all materials needed to complete the task
- perform the task within the given time
- observe and follow all health and safety (OHS) requirements at all times

Job Specification Information:

1. Collect required tools, equipment, machinery and materials required for the task.
2. Collect raw materials for winding.
3. Feed the yarn in the winding machine from input to output package.
4. Operate the winding machine including brake system.
5. Perform knotting in case of yarn breakage.
6. Collect raw materials for warping.
7. Feed the yarn in the creel.
8. Operate the warping machine.
9. Collect raw materials and chemicals for sizing.
10. Feed the yarn package in the sizing machine.
11. Cook and store sizing solution.
12. Operate sizing machine.
13. Check the quality of the sized yarn.
14. Clean tools, equipment, machinery and work area.
15. Dispose of waste materials and excess materials.

Resources Required:

Tools:	Pocket tape Wire stripper Adjustable wrench Hammer Pliers Screwdriver Techo meter Viscosity cup Refractor meter
Equipment:	Size cooking tank
Machinery:	Winding machine Warping machine Sizing machine
Materials:	Cone (yarn package) Cheese (yarn package) Warpers beam (yarn package)
PPE:	Apron Mask Safety helmet Gloves (long) Safety shoes

Practical Demonstration 1 – Observation Checklist

PRACTICAL DEMONSTRATION 1 – OBSERVATION CHECKLIST	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving Technology
Task:	Prepare warp and weft yarn for cotton weaving
Assessment Centre:	
Date of Assessment:	
Instructions:	The tasks listed on the observation checklist of the practical demonstration will provide performance evidence of the candidate. Performance can be observed in an actual workplace or in a simulated working environment. If performance of particular tasks cannot be observed, you may ask the candidate to explain a procedure or enter into a discussion on the subject. The assessment activity (practical demonstration) should: ▪ fit industry requirements in which the assessment will be conducted ▪ adhere, where possible, to reasonable adjustment practices ▪ ensure that suitable performance benchmarks are applied and explained to the candidate

OBSERVATION RECORD		
Performance Criteria	Place a ✓ to show if evidence has been demonstrated competently	
	Yes	**No**
▪ Identify and follow safety signs and symbols	☐	☐
▪ Select and use personal protective equipment (PPE).	☐	☐
▪ Maintain personal hygiene.	☐	☐
▪ Interpret signs and symbols.	☐	☐
▪ Prepare hand and power tools.	☐	☐
▪ Use appropriate hand tool for the job.	☐	☐
▪ Apply proper and safe use/operation of hand tools.	☐	☐
▪ Use power tools safely in accordance to manufacturer's specification.	☐	☐
▪ Use appropriate tools and instrument to perform accurate calculation.	☐	☐
▪ Identify Hazard and risks.	☐	☐

▪ Collect required tools, equipment, machinery and materials required for the task.	☐	☐
▪ Collect raw materials for winding.	☐	☐
▪ Feed the yarn in the winding machine from input to output package.	☐	☐
▪ Operate the winding machine including brake system.	☐	☐
▪ Correctly wound yarn from ring bobbins to form packages	☐	☐
▪ Perform knotting in case of yarn breakage.	☐	☐
▪ Collect raw materials for warping.	☐	☐
▪ Feed the yarn in the creel.	☐	☐
▪ Transfer a required no of yarn from a creel of single-end package to a beam	☐	☐
▪ Operate the warping machine.	☐	☐
▪ Collect raw materials and chemicals for sizing.	☐	☐
▪ Feed the yarn package in the sizing machine.	☐	☐
▪ Prepare and store sizing solution.	☐	☐
▪ Operate sizing machine.	☐	☐
▪ Apply size material on to the warp sheet.	☐	☐
▪ Check the quality of the sized yarn.	☐	☐
▪ Clean tools, equipment, machinery and work area.	☐	☐
▪ Dispose of waste materials and excess materials.	☐	☐
Feedback to candidate:		
Assessment decision for this assessment activity: ☐ **Competent** ☐ **Not Yet Competent**		

Candidate's Signature:		**Date:**	
Assessor's Signature:		**Date:**	

Practical Demonstration 2

PRACTICAL DEMONSTRATION 2	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving Technology
Task:	Operate the weaving machine
Assessment Centre:	
Date of Assessment:	
Time of Assessment:	

Instructions:

Read and understand the directions carefully:

- this practical demonstration is based on the performance criteria from all or some of the units of competency in Weaving Technology
- this assessment activity will be used to measure your underpinning skills
- you will have fifteen (15) minutes to familiarise yourself with the resources to be used
- you have three (3) hours to complete this demonstration

Procedure:

- observe and wear personal protective equipment (PPE) as required for the task to be performed
- read the specification information provided
- collect all materials needed to complete the task
- perform the task within the given time
- observe and follow all health and safety (OHS) requirements at all times

Job Specification Information:

1. Collect required tools, equipment, machinery and materials required for the task.
2. Collect weavers beam.
3. Complete drafting, denting and looming.
4. Operate the weaving machine.
5. Make knotting in case of warp and weft breakage.
6. Change the empty weft package with full one.
7. Brake the machine in case of emergency.
8. Cut the fabric and check the quality.
9. Clean tools, equipment, machinery and working area.
10. Dispose of waste materials and excess materials.

Resources Required:

Tools:	Sample cutter Yarn tension meter Tape tensioner Machine brush
Equipment:	Industrial weight scale

	Electronic balance
Machinery:	Weaving machine
Materials:	Weavers beam (warp yarn) Cone or cheese (weft yarn)
PPE:	Apron Mask Safety helmet Gloves (long) Safety shoes

Practical Demonstration 2 – Observation Checklist

PRACTICAL DEMONSTRATION 2 – OBSERVATION CHECKLIST	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving Technology
Task:	Operate the weaving machine
Assessment Centre:	
Date of Assessment:	
Instructions:	The tasks listed on the observation checklist of the practical demonstration will provide performance evidence of the candidate. Performance can be observed in an actual workplace or in a simulated working environment. If performance of particular tasks cannot be observed, you may ask the candidate to explain a procedure or enter into a discussion on the subject. The assessment activity (practical demonstration) should: ▪ fit industry requirements in which the assessment will be conducted ▪ adhere, where possible, to reasonable adjustment practices ▪ ensure that suitable performance benchmarks are applied and explained to the candidate

OBSERVATION RECORD		
Performance Criteria **Did he/she**	Place a ✓ to show if evidence has been demonstrated competently	
	Yes	**No**
▪ Identify and follow safety signs and symbols.	☐	☐
▪ Select and use personal protective equipment (PPE).	☐	☐
▪ Maintain personal hygiene.	☐	☐
▪ Interpret signs and symbols.	☐	☐
▪ Determine application of tools to job requirements.	☐	☐
▪ Prepare hand and power tools.	☐	☐
▪ Use appropriate hand tool for the job.	☐	☐
▪ Apply proper and safe use/operation of hand tools.	☐	☐
▪ Use power tools safely in accordance to manufacturer's specification.	☐	☐
▪ Use appropriate tools and instrument to perform accurate calculation.	☐	☐

▪ Collect required tools, equipment, machinery and materials required for the task.	☐	☐
▪ Collect weavers beam.	☐	☐
▪ Complete drafting, denting and looming.	☐	☐
▪ Operate the weaving machine.	☐	☐
▪ Make knotting in case of warp and weft breakage.	☐	☐
▪ Change the empty weft package with full package.	☐	☐
▪ Brake the machine in case of emergency.	☐	☐
▪ Identify and explain shedding mechanism.	☐	☐
▪ Check and adjust yarn tension as required.	☐	☐
▪ Identify correctly main parts of shedding mechanism.	☐	☐
▪ Identify types of dobby shedding.	☐	☐
▪ Examine design produced by dobby devices.	☐	☐
▪ Receive and confirm work instructions with supervisor.	☐	☐
▪ Perform tappet shedding as per standard operating procedure.	☐	☐
▪ Monitor and maintain shedding device during operation.	☐	☐
▪ Prepare and submit report upon completion of shedding operation as per standard operating procedure.	☐	☐
▪ Perform jacquard shedding as per standard operating procedure.	☐	☐
▪ Identify picking process accurately.	☐	☐
▪ Identify and describe different techniques for picking.	☐	☐
▪ Carry out conventional picking as per standard operating procedure.	☐	☐
▪ Monitor and maintain conventional machine /device during operation.	☐	☐
▪ Carry out air jet picking with yarn as per standard operating procedure to ensure quality.	☐	☐
▪ Monitor and maintain air jet picking machine/device during operation.	☐	☐
▪ Carry out rapier, projectile and water jet picking as per standard operating procedure.	☐	☐
▪ Monitor and maintain rapier, projectile and water jet picking machine/device during operation.	☐	☐
▪ Identify, compare, and distinguish different beating motion.	☐	☐
▪ Identify and define primary, secondary and tertiary mechanism accurately.	☐	☐

▪ Examine different motions in different types of looms.	☐	☐
▪ Carry out cam and crank beat up as per standard operating produce.	☐	☐
▪ Carry out beating system using conventional loom as per standard operating procedure.	☐	☐
▪ Carry out beating system using modern loom as per standard operating procedure.	☐	☐
▪ Identify and select weaving accessories as per job requirement.	☐	☐
▪ Implement selected weaving accessories.	☐	☐
▪ Cut the fabric and check the quality.	☐	☐
▪ Clean tools, equipment, machinery and working area.	☐	☐
▪ Dispose of waste materials and excess materials.	☐	☐

Feedback to candidate:

Assessment decision for this assessment activity:

☐ **Competent** ☐ **Not Yet Competent**

Candidate's Signature:		**Date:**	
Assessor's Signature:		**Date:**	

Oral Questions (Optional)

ORAL QUESTIONS - INSTRUCTIONS	
Candidate Name:	
Assessor Name:	
Qualification:	Certificate in Weaving Technology
Unit of Competency	
Generic Competencies	
SEIP-TEX-WVG-01-G	Use basic mathematical concepts
SEIP-TEX-WVG-02-G	Apply occupational health and safety (OHS) practice in the workplace
SEIP-TEX-WVG-03-G	Carry out workplace interaction
SEIP-TEX-WVG-04-G	Operate in a team environment
SEIP-TEX-WVG-05-G	Apply basic IT skills
Sector-specific Competencies	
SEIP-TEX-WVG-01-S	Explore the history of Textile Sector
SEIP-TEX-WVG-02-S	Use hand and power tools
SEIP-TEX-WVG-03-S	Read interpret sketches and drawing
Occupation-specific Competencies	
SEIP-TEX-WVG-01-O	Identify the basics of weaving technology
SEIP-TEX-WVG-02-O	Carry out preparation for weaving operation
SEIP-TEX-WVG-03-O	Perform shredding operation
SEIP-TEX-WVG-04-O	Perform picking operation
SEIP-TEX-WVG-05-O	Perform beating operation
SEIP-TEX-WVG-06-O	Identify weaving accessories and fabric faults
Assessment Centre:	
Date of Assessment:	
Time of Assessment:	
Instructions:	
Read and understand the directions carefully: ▪ These oral questions are based on the performance criteria from all the units of competency in Weaving Technology ▪ oral questions are designed to enable additional assessment of your underpinning knowledge ▪ you should present your responses as directed by the assessor ▪ answer all the questions asked by the assessor as best as possible	

ORAL QUESTIONS			
Question		Place a ✓in the appropriate box to show if evidence has been demonstrated competently	
		Yes	**No**
1.	What action will you take in case there is a sudden breakdown of machine in your assigned work?	☐	☐
2.	Give some disadvantages of Cam shedding.	☐	☐
3.	What is the main advantage of dobby shedding?	☐	☐
4.	What are your duties and responsibilities as a Weaver?	☐	☐
5.	How does an air jet machine works?	☐	☐
6.	How does beating up work?	☐	☐
7.	What are the raw materials used for weaving?	☐	☐
8.	Which warping system is used to produce stripe and check fabric?	☐	☐
9.	What the differences are between check and stripe fabric?	☐	☐
10.	Why sizing is done?	☐	☐
11.	What are the main sizing ingredients?	☐	☐
12.	What is drafting?	☐	☐
13.	What is loom cycle?	☐	☐
14.	For a weave repeat 14 x 14, which shedding mechanism is used?	☐	☐
15.	Mention the name of some modern picking system	☐	☐
16.	Beating system of a loom is not working, is it possible to produce fabric without beating?	☐	☐
17.	What are the main fabric faults?	☐	☐
18.	What are the methods to measure fabric faults?	☐	☐
19.	Identify the names of some yarn properties.	☐	☐
20.	Identify the names of some fabric properties.	☐	☐
Feedback to candidate:			
Assessment decision for this assessment activity: ☐ **Competent** ☐ **Not Yet Competent**			
Candidate's Signature:		**Date:**	
Assessor's Signature:		**Date:**	

Oral Questioning Guideline

General Guidelines For Effective Questioning
▪ Keep questions short and focused on one key concept
▪ Ensure that questions are structured
▪ Test the questions to check that they are not ambiguous
▪ Use `open-ended questions such as `what if...?' and `why...?' questions, rather than closed questions
▪ Keep questions clear and straight forward and ask one at a time
▪ Use words that the candidate is able to understand
▪ Look at the candidate when asking questions
▪ Check to ensure that the candidate fully understands the questions
▪ Ask the candidate to clarify or re-phrase their answer if the assessor does not understand the initial response
▪ Confirm the candidate's response by repeating the answer back in his/her own words
▪ Encourage a conversational approach with the candidate when appropriate, to put him or her at ease
▪ Use questions or statements as prompts for keeping focused on the purpose of the questions and the kind of evidence being collected
▪ Use language at a suitable level for the candidate
▪ Listen carefully to the answers for opportunities to find unexpected evidence
▪ Follow up responses with further questions, if useful, to draw out more evidence or to make links between knowledge areas
▪ Compile a list of acceptable responses to ensure reliability of assessments

Oral Questions (Optional) - Answers

Answers are highlighted in **bold** and *italics*.

ORAL QUESTIONS		
Question		**Answer**
1.	What action will you take in case there is a sudden breakdown of machine in your assigned work?	***Report the incident immediately to designated person or to your line leader.***
2.	Give some disadvantages of Cam shedding.	***The disadvantage of cam shedding is that when the woven design has to be changed the cams have to be rearranged to suit the new design.***
3.	What is the main advantage of dobby looms?	***The main advantage of dobby looms is that it produces more intricate designs.***
4.	What are your duties and responsibilities as a Weaver?	***May include but are not limited to the following answers:*** ▪ ***Awareness and practice good occupational health and safety in the workplace*** ▪ ***Awareness on proper and safe use of tools, equipment, supplies and materials*** ▪ ***Perform basic operation of the weaving machine***
5.	How does an air jet machine works?	***In air-jet weaving machines the filling yarn is inserted pneumatically. It is carried through the shed by compressed air flow supplied from a main nozzle and relay nozzles. This is the fastest type of weaving enabling pick insertion of 3000 m min-1.***
6.	How does beating up work?	***Pushing the newly inserted weft yarn back into the fell using the reed.***
7.	What are the raw materials used for weaving?	***May include but are not limited to the following answers:*** ▪ ***Cotton*** ▪ ***Polyester*** ▪ ***Cotton polyester blends*** ▪ ***Viscose***
8.	Which warping system is used to produce stripe and check fabric?	***Sectional warping system***
9.	What the differences are between check and stripe fabric?	***For stripe fabric, coloured warp yarn is used.*** ***For check fabric, coloured warp and weft yarn is used.***
10.	Why sizing is done?	***To improve the weaving efficiency and the quality of the warp yarn like strength, stiffness and to decrease hairiness.***
11.	What are the main sizing ingredients?	***PVA Starch, modified starch, acrylic binder and wax.***

12.	What is drafting?	***To pass the warp yarn through the head eyes of the head frame according to drafting plan.***
13.	What is loom cycle?	***Shedding – picking –beating, are called the loom cycle.***
14.	For a weave repeat 14 x 14, which shedding mechanism is used?	***Dobby shedding***
15.	Mention the name of some modern picking system.	***Air jet, water jet, rapier and projectile picking system.***
16.	Beating system of a loom is not working, is it possible to produce fabric without beating?	***No***
17.	What are the main fabric faults?	***May include but are not limited to the following answers:*** ***Broken ends, broken picks, miss picking, starting and stop marks.***
18.	What are the methods to measure fabric faults?	***Four point system and ten point system***
19.	Identify the names of some yarn properties.	***Yarn count, twist per inch(TPI), Yarn strength etc.***
20.	Identify the names of some fabric properties.	***Tensile strength, tear strength, Fabric weight (GSM) etc.***

Assessment Evidence Summary Sheet

EVIDENCE SUMMARY SHEET			
Candidate Name:			
Assessor Name:			
Qualification:	Certificate in Weaving Technology		
Assessment Centre:			
Date(s) of Assessment:			
The performance of the candidate in the following unit or units of competency and the methods engaged to assess performance are as follows:			
Unit of Competency	**Assessment Method**	**Competent**	**Not Yet Competent**
All units of competency comprising of the qualification	Written Test	☐	☐
	Practical Demonstration 1	☐	☐
	Practical Demonstration 2	☐	☐
	Oral Questioning (optional)	☐	☐
Note: Issuance of a certificate will only be given to a candidate who has successfully been assessed as competent for **ALL** units of competency.			
Recommendation			
❑ Issuance of Statement of Achievement *(indicate title of SOA, if full Certificate is not met)*	❑ Submission of additional documents Specify:	❑ Reassessment Specify:	
Did the candidate overall performance meet the required evidence/standard?		☐ Yes ☐ No	
Overall Evaluation:	❑ **Competent** ❑ **Not Yet Competent**		
General Comments:			
Candidate Signature:		Date:	
Assessor Signature:		Date:	
Institution Manager Signature:		Date:	

CANDIDATES COPY
(Please presents this form when you claim your Certificate)

ASSESSMENT RESULTS SUMMARY			
Qualification:	Certificate in Weaving Technology		
Name of Candidate:		**Date:**	
Name at Assessment Centre:		**Date:**	
Assessment Results:	❑ **Competent** ❑ **Not Yet Competent**		
Recommendation:	❑ Issuance of SOA *(indicate title of SOA, if full certificate is not met)*		
	❑ Submission of additional documents – specify:		
	❑ Reassessment - specify:		
Assessed by: (name and signature)		**Date:**	
Attested by: (name and signature):		**Date**	

Assessment Validation Map

This identifies how the assessment tools in this resource may assess:

- elements and performance criteria
- critical aspects of assessment
- skills and knowledge
- employability skills

Unit of Competency:	SEIP-TEX-WVG-01-G – Use basic mathematical concepts		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify calculation requirements in the workplace.	1		
2. Select appropriate mathematical methods/concepts for the calculation.	1		
3. Use tools and instruments to perform calculations.	1	1, 2	
Unit of Competency:	SEIP-TEX-WVG-02-G – Apply occupational health and safety (OHS) practice in the workplace		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify OHS policies and procedures.	13	1, 2	3
2. Apply personal health and safety practices.	13	1, 2	
3. Report hazards and risks.	19	1, 2	3, 7
4. Respond to emergencies.	19	1, 2	7
Unit of Competency:	SEIP-TEX-WVG-03-G – Carry out workplace interaction		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Interpret workplace communication and etiquette.	4		4
2. Read and understand workplace documents.		1, 2	3, 5
3. Participate in workplace meetings and discussions.	4	1, 2	
4. Practice professional ethics at work.	4	1, 2	
Unit of Competency:	SEIP-TEX-WVG-04-G – Operate in a team environment		

Element	Assessment Evidence Method		
	Written	Practical	Oral
1. Identify team goals and work processes.	4	1, 2	
2. Identify own role and responsibilities within team.	4	1, 2	
3. Communicate and co-operate with team members.		1, 2	4
4. Practice problem solving within team.	8	1, 2	4
Unit of Competency:	SEIP-TEX-WVG-05-G – Apply basic IT skills		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify and use most commonly used IT tools.	2		17
2. Understand use of computer.	2		17
3. Work with word processing application.			
4. Access email and search the internet.			
Unit of Competency:	SEIP-TEX-WVG-01-S – Explore the history of Textile Sector		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Examine the background of textile sector.	3		1
2. Identify prime local and export markets.			20
Unit of Competency:	SEIP-TEX-WVG-02-S – Use hand and power tools		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify and inspect hand and power tools.	3	1, 2	
2. Use hand tools properly and safely.	3	1, 2	16
3. Operate power tools properly and safely.		1, 2	
4. Clean and maintain hand and power tools.		1, 2	16
Unit of Competency:	SEIP-TEX-WVG-03-S – Read and interpret sketches and drawings		
Element	**Assessment Evidence Method**		

	Written	Practical	Oral
1. Identify information and specifications.	2	1, 2	3, 5
2. Read and interpret sketches and drawings.	2	1, 2	5, 19
Unit of Competency:	SEIP-TEX-WVG-01-O – Identify basics of weaving technology		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Define weaving technology.	3		6
2. Identify tools and equipment.		1, 2	6, 8
3. Classify raw materials.	5	1, 2	9, 10
Unit of Competency:	SEIP-TEX-WVG-02-O – Carry out preparation for weaving technology		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Perform winding.			6
2. Perform warping.		1, 2	6, 8
3. Perform sizing.	5	1, 2	9, 10
Unit of Competency:	SEIP-TEX-WVG-03-O – Perform shredding operation		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify dobby shedding.	3		6
2. Prepare for shedding.		1	6, 8
3. Perform tappet shedding.	5	1	9, 10
4. Perform jacquard shedding.		1	
Unit of Competency:	SEIP-TEX-WVG-04-O – Perform picking operation		
Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify picking process.			6
2. Prepare for picking.		2	6, 8

3. Perform conventional picking.	5	2	9, 10
4. Perform air jet picking.		2	
5. Perform rapier, projectile and water jet picking.		2	

Unit of Competency:	SEIP-TEX-WVG-05-O – Perform beating operation

Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Analyse different beating mechanisms.			6
2. Prepare for beating operation.		2	6, 8
3. Perform cam and crank beat up.	5	2	9, 10
4. Perform beating system with conventional loom.		2	
5. Perform beating system with modern loom.		2	

Unit of Competency:	SEIP-TEX-WVG-06-O – Identify weaving accessories and fabric faults

Element	**Assessment Evidence Method**		
	Written	**Practical**	**Oral**
1. Identify weaving accessories.		1, 2	6
2. Identify fabric faults.		1, 2	6, 8
3. Test the quality of the fabrics.	5	1, 2	9, 10