

# Model Curriculum

## Ring Frame Tenter

**SECTOR** : TEXTILE  
**SUB-SECTOR** : SPINNING - TEXTILES  
**OCCUPATION** : SPINNING  
**REF. ID** : TSC/Q0201, VERSION 3.0  
**NSQF LEVEL** : 3



## Certificate

### CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

**TEXTILE SECTOR SKILL COUNCIL**

for the

### MODEL CURRICULUM

Complying to National Occupational Standards of  
Job Role/ Qualification Pack: 'RING FRAME TENTER' QP No. 'TSC/ Q 0201' **NSQF Level 3'**

Date of Issuance: **September, 30th 2021**  
Valid up to: **September, 30th 2024**

\* Valid up to the next review date of the Qualification Pack

  
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# Ring Frame Tenter

## CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Ring Frame Tenter”, in the “Textile” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Ring Frame Tenter		
Qualification Pack Name & Reference ID.	Ring Frame Tenter TSC/Q0201, version 3.0		
Version No.	3.0	Version Update Date	30.09.2021
Pre-requisites to Training	<ul style="list-style-type: none"> <li>• Grade 9 with No Experience (OR)</li> <li>• Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience (OR)</li> <li>• 8th grade pass with 1 year of relevant experience (OR)</li> <li>• 5th grade pass with 4 years of relevant experience (OR)</li> <li>• Ability to read and write with 5 years of experience</li> </ul>		
Training Outcomes	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>• Become well verse with taking charge of shift and handing over shift</li> <li>• Learn and perform creeling the roving bobbin</li> <li>• Learn and perform piecing the broken yarn</li> <li>• Perform cleaning activities</li> <li>• Maintain work area, tools and machines</li> <li>• Gain behavioural skill for team working</li> <li>• Maintain health, safety and security at work place</li> <li>• Comply with industry and organizational requirement</li> </ul>		

This course encompasses 8 out of 8 National Occupational Standards (NOS) of “Ring Frame Tenter” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<b>Taking charge of shift and handing over shift to tenter</b>  <b>Theory Duration</b> (hh:mm) 15:00  <b>Practical Duration</b> (hh:mm) 30:00  <b>Corresponding NOS Code</b> TSC/N0201	<ul style="list-style-type: none"> <li>Learning general discipline</li> <li>Become well verse with basic skills of communication</li> <li>Understand the role of Ring frame tenter</li> <li>Perform tasks while taking charge of shift and handing over shift</li> <li>Become familiar in faults identification</li> </ul>	<b>Class room requirements:</b> a batch of 25 people seating capacity with a screen and projector
2	<b>Creeling the roving bobbin</b>  <b>Theory Duration</b> (hh:mm) 15:00  <b>Practical Duration</b> (hh:mm) 30:00  <b>Corresponding NOS Code</b> TSC/N0202	<ul style="list-style-type: none"> <li>Gain knowledge on machine parts &amp; its function related to the respective module</li> <li>handling full and empty bobbins</li> <li>changing roving bobbin</li> <li>handling bobbin trolley</li> <li>Gain knowledge on colour coding system</li> <li>Identification of roving waste</li> <li>Controlling roving waste</li> <li>Perform Quality roving piecing</li> </ul>	1. A sample of following items for each trainee: bobbin, empty bobbin 2. common for every batch: poster/video visuals for work method and machine parts 3. Class room requirements: a batch of 25 people seating capacity with a screen and projector
3	<b>Piecing the broken yarn</b>  <b>Theory Duration</b> (hh:mm) 15:00  <b>Practical Duration</b> (hh:mm) 30:00  <b>Corresponding NOS Code</b> TSC/N0203	<ul style="list-style-type: none"> <li>Gain knowledge on machine parts &amp; its function related to the respective module</li> <li>Gain knowledge on type of breaks</li> <li>Handling running machine parts, cop, etc.</li> <li>piecing the broken yarn</li> <li>changing traveller</li> <li>patrolling machine</li> <li>Identification of pneumafil waste, bonda waste, yarn waste, etc.</li> <li>Knowing Waste control activities</li> <li>Perform Quality of piecing</li> </ul>	1. common for every batch: cop, poster/video visuals for work method and machine parts, traveller, lapping cleaning hook, samples of wastes (pneumafil, bonda, yarn, rove) 2. Class room requirements: a batch of 25 people seating capacity with a screen and projector
4	<b>Carryout cleaning activities</b>  <b>Theory Duration</b> (hh:mm) 15:00	<ul style="list-style-type: none"> <li>Knowing Importance of cleaning activities</li> <li>knowing Responsible items for sider in R/F in cleaning and maintenance</li> <li>knowing Procedure and tools used for cleaning and maintenance</li> </ul>	1. A sample of following items for each trainee: Cleaning tools such as cleaning gun/stick,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Practical Duration</b> (hh:mm) 60:00  <b>Corresponding NOS Code</b> TSC/N0204		
5	<b>Maintain work area, tools and machines</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> TSC/N9001	<ul style="list-style-type: none"> <li>Gain knowledge on Housekeeping system</li> <li>Identification of basic hand tools like cleaning hook, cleaning stick, bag, etc.</li> <li>handling equipment</li> <li>perform Maintenance activities for handling equipment</li> </ul>	<u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
6	<b>Working in a team</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> TSC/N9002	<ul style="list-style-type: none"> <li>Understanding the team work and its importance</li> <li>Knowing the basic requirements for team working</li> </ul>	<u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
7	<b>Maintain health, safety and security at work Place</b>  <b>Theory Duration</b> (hh:mm) 15:00  <b>Practical Duration</b> (hh:mm) 30:00  <b>Corresponding NOS Code</b> TSC/N9003	<ul style="list-style-type: none"> <li>Knowing the general safety Rules</li> <li>Knowing the importance of personal protective equipment like apron, cap, earplugs, nose mask etc. and their application under different working conditions.</li> <li>Gain knowledge on various health hazards relevant to workplace and basic first aid training.</li> <li>Identify and select right equipment such as fire extinguisher &amp; based on type of fire.</li> <li>Become good practice on first aid, firefighting etc.</li> </ul>	<u>1. A sample of following items for each trainee:</u> apron, head cap, nose mask, ear plug, shoe, <u>2. common for every batch:</u> first aid materials, fire extinguisher, work method posters/pictures, <u>3. Class room requirements:</u> 25 people seating capacity with a screen and projector
8	<b>Comply with industry and organisational requirement</b>	<ul style="list-style-type: none"> <li>Know about organizational and industry standards</li> </ul>	<u>2. Class room requirements:</u> a batch of 25 people seating

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p><b>Theory Duration</b> (hh:mm) 05:00</p> <p><b>Practical Duration</b> (hh:mm) 10:00</p> <p><b>Corresponding NOS Code</b> TSC/N 9004</p>	<ul style="list-style-type: none"> <li>Know the requirements for self-development</li> <li>Gain knowledge on Organizational &amp; Industry standards</li> </ul>	capacity with a screen and projector
9	<p><b>Employability Skills (30 Hours)</b></p> <p><b>Theory Duration</b> (hh:mm) 12:00</p> <p><b>Practical Duration</b> (hh:mm) 18:00</p>	<ul style="list-style-type: none"> <li>Discuss the importance of Employability Skills in meeting the job requirements.</li> <li>Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen.</li> <li>Show how to practice different environmentally sustainable practices</li> <li>Discuss 21st century skills.</li> <li>Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations.</li> <li>Use appropriate basic English sentences/phrases while speaking</li> <li>Demonstrate how to communicate in a well-mannered way with others.</li> <li>Demonstrate working with others in a team</li> <li>Show how to conduct oneself appropriately with all genders and PwD</li> <li>Discuss the significance of reporting sexual harassment issues in time</li> <li>Discuss the significance of using financial products and services safely and securely.</li> <li>Explain the importance of managing expenses, income, and savings.</li> <li>Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws</li> <li>Show how to operate digital devices and use the associated applications and features, safely and securely</li> <li>Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely.</li> <li>Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges.</li> <li>Differentiate between types of customers</li> <li>Explain the significance of identifying customer needs and addressing them</li> <li>Discuss the significance of maintaining hygiene and dressing appropriately.</li> <li>Create a biodata</li> </ul>	Class room requirements: 25 people seating capacity with a screen and projector

		<ul style="list-style-type: none"> <li>• Use various sources to search and apply for jobs</li> <li>• Discuss the significance of dressing upneatly and maintaining hygiene for an interview</li> <li>• Discuss how to search and register for apprenticeship opportunities.</li> </ul>	
	<b>Total Duration:</b>  <b>Theory Duration</b> <b>102:00</b>  <b>Practical Duration</b> <b>228:00</b>	<b>Unique Equipment Required:</b> <ul style="list-style-type: none"> <li>• Apron, head cap, nose mask, earplug, shoe, lapping cleaning hook, cleaning stick and hip bag.</li> </ul>	

**Grand Total Course Duration: 330 Hours, 0 Minutes**

*(This syllabus/ curriculum has been approved by TSC: Textile Sector Skill Council)*



## Trainer Prerequisites for Job role: “Ring Frame Tenter” mapped to Qualification Pack: “Ring Frame Tenter /TSC Q 0201, Version 3.0”

Sr. No.	Area	Details
1	<b>Description</b>	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “Ring Frame Tenter/TSC Q0201, Version 3.0”.
2	<b>Personal Attributes</b>	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	<b>Minimum Educational Qualifications</b>	Basic Literacy and Numeracy
4a	<b>Domain Certification</b>	Certified for Job Role: “Ring Frame Tenter” mapped to QP: “Ring Frame Tenter/TSC Q0201, Version 3.0”. Minimum accepted score 80%.
4b	<b>Platform Certification</b>	Required that the Trainer is certified for MEP/Q2601 Job Role: “Trainer” with atleast 80% score
5	<b>Experience</b>	Minimum 4 years experience as a Ring frame tenter trainer and 1 year as a tenter

## Employability Trainer Prerequisites

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS	Any Discipline			2	Teaching Experience	Prospective ES trainer should:
Current ITI Trainers	Employability Skills Training (3 days full-time course done between 2019-2022)					<ul style="list-style-type: none"> <li>• have good communication skills</li> <li>• be well versed in English</li> <li>• have digital skills</li> <li>• have attention to detail</li> <li>• be adaptable</li> <li>• have willingness to learn</li> </ul>
Certified current EEE trainers (155 hours)	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

## Annexure: Assessment Criteria

<b>Assessment Criteria for Ring Frame Tenter</b>	
<b>Job Role</b>	<b>Ring Frame Tenter</b>
<b>Qualification Pack</b>	<b>Ring Frame Tenter (TSC/Q0201)</b>
<b>Sector Skill Council</b>	<b>Textile Sector Skill Council</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
1	Criteria for assessment for each qualification pack will be created by the Sector Skill Council. Each performance criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for theory & skill practical for each PC.
2	The assessment for the theory part will be based on knowledge bank of question created by the SSC.
3	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria.
5	To pass the qualification pack, every trainee should score a minimum of 50%.
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
<b>1. TSC/N0201 (Taking charge of shift and handing over shift to Ring Frame Tenter)</b>	PC1. Come at least 10 - 15 minutes earlier to the work spot	<b>100</b>	3	1	1	1
	PC2. Bring the necessary operational tools to the department		3	1	1	1
	PC3. Meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc.		4	1	1	2
	PC4. Understand the count produced, colour coding, followed in the ring frames for his allocated number of spindles or machines		3	1	1	1
	PC5. Ensure the technical details are mentioned in the display board in the ring frame machine		3	1	2	0
	PC6. Check for the availability of the spare roving bobbins		2	1	1	0
	PC7. Check the availability of bobbin trolley with technical details mentioned regarding the count being produced		2	1	1	0
	PC8. Check the condition of running travellers		2	1	1	0
	PC9. Check the roving passage and yarn formation is proper		3	1	1	1
	PC10. Check for the run outs , availability of the roving bobbins		3	1	1	1
	PC11. Ensure all the spindles are running properly, if not should be enquired for the reason for idle spindle and report to the superiors regarding the same		4	1	2	1
	PC12. Check the condition of different running cops		4	1	2	1
	PC13. Ensure proper functioning of ring frame machine parts and machine		4	1	2	1
	PC14. Ensure all allocated spindles are running with uniform length of yarn is wound on cop, variations if any should be discussed with operator and reported to superiors		3	1	1	1
	PC15. Check the condition of running spindles, damages if any should be reported		2	1	1	0

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC16. Check the cleanliness of the machines & other work areas		2	1	1	0
	PC17. Check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.		3	1	1	1
	PC18. Question the previous shift operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well that of the previous shift as well.		3	1	1	1
	PC19. Ensure no roller lapping in ring frame		3	1	1	1
	PC20. Remove the roller lapping manually if any without damaging the cots		3	1	1	1
	PC21. In case of burnt out travellers, ensure that only the correct size of traveller is used for replacement		3	1	1	1
	PC22. Ensure the wastes collection boxes are empty while taking charge of shift		3	1	1	1
	PC23. Ensure the ohtc is working properly		3	1	2	0
	PC24. Ensure the work spot is clean		3	1	1	1
	PC25. Hand over the shift to the incoming ring frame tenter in a proper manner		3	1	1	1
	PC26. Ensure in providing the details regarding count produced, colour coding followed in the ring frames for his allocated number of spindles or machines		3	1	1	1
	PC27. Provide all relevant information regarding the count produced, idle spindles, damaged machine parts if any		3	1	0	2
	PC28. Get clearance from the incoming counterpart before leaving the work spot		3	1	0	2
	PC29. Report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift		4	1	1	2

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC30. Ensure the shift has to be properly handed over to the incoming shift operator		3	1	1	1
	PC31. Report to his/ her shift superior about the quality / production / safety issues/ any other issue faced in his/ her shift and should leave the department only after getting concurrence for the same from his/ her superiors		4	1	1	2
	PC32. Collect the wastes from waste collection bags, weigh them and transport to storage area		3	1	1	1
	PC33. Ensure the work spot is clean		3	1	1	1
	<b>Total</b>		<b>100</b>	<b>33</b>	<b>36</b>	<b>31</b>
	<b>Weightage %</b>			<b>33</b>	<b>36</b>	<b>31</b>
<b>2. TSC/N0202 (Creeling the roving bobbin at Ring Frame )</b>	PC1. Bring the roving bobbin from storage using bobbin trolley	<b>100</b>	5	2	2	1
	PC2. Ensure correct colour coded bobbins are taken to ring frame section		5	2	2	1
	PC3. Identify roving bobbin exhausts and removing the empty bobbin		6	2	3	1
	PC4. Replace exhausted roving bobbin with suitable bobbins on the creel from the reserve holder / trolley		6	2	3	1
	PC5. Ensure colour coding of feed in the creel is correct		4	2	1	1
	PC6. Creel the full roving bobbin		6	2	3	1
	PC7. Ensure proper passage of roving		5	2	2	1
	PC8. Ensure minimum time is taken for attending the roving breakage		5	2	2	1
	PC9. Ensure that the roving passes through the creeling section without affecting the quality of roving		4	1	2	1
	PC10. Draw the roving end with minimum waste and then piece up the yarn		6	2	3	1
	PC11. Ensure proper length of roving is available for piecing		5	1	3	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC12. Piece the broken roving together in the event of roving breakage at creel section		6	2	3	1
	PC13. Ensure standard piecing procedure is adopted and quality and size of piecing is within the standards		5	2	2	1
	PC14. Keep the roving waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box		4	1	2	1
	PC15. Ensure minimum time is taken for piecing the roving		4	1	2	1
	PC16. Properly handle the roving and roving bobbin		5	2	3	0
	PC17. Ensure roving surface doesn't gets damaged		5	2	3	0
	PC18. Verify the quality of piecing done in the roving		5	2	3	0
	PC19. Ensure roving tension in the creeling section is appropriate		5	2	2	1
	PC20. Ensure proper functioning of the machine		4	1	2	1
	<b>Total</b>		<b>100</b>	<b>35</b>	<b>48</b>	<b>17</b>
	<b>Weightage %</b>			<b>35</b>	<b>48</b>	<b>17</b>
<b>3. TSC/N0203 (Piecing the broken yarn at Ring Frame)</b>	PC1. Patrol around the ring frame machine & identify the yarn breakage in ring frame	<b>100</b>	5	1	3	1
	PC2. Ensure minimum time is taken for attending the yarn breakages		4	1	2	1
	PC3. Check creel break, traveller fly/ loading, undraft & roller lapping		4	1	2	1
	PC4. Apply the knee break to stop the spindle		5	1	3	1
	PC5. Check the cop quality		4	1	2	1
	PC6. Ensure proper seating of empties in the spindle after yarn piecing		4	1	2	1
	PC7. Take yarn from cop to feed ABC Ring and insert traveller, lappet hook cut the yarn (10mm ) and to start piecing		6	2	2	2
	PC8. Piece the yarn between false twister and drafting zone by		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills	Viva
					Practical	
	following standard piecing techniques					
	PC9. Ensure proper seating of empties in the spindle after yarn piecing		6	2	4	0
	PC10. Ensure proper traveller running		6	2	4	0
	PC11. Ensure minimum time is taken for piecing the yarn		5	1	3	1
	PC12. Ensure proper material handling of ring cops		5	1	3	1
	PC13. Ensure the yarn should be pieced with minimum overlapping		4	2	1	1
	PC14. Put the roving ends and roller bonda waste in the bags or pockets of coat / apron while attending the end breakages.		5	2	2	1
	PC15. Ensure proper material handling of yarn and cops		5	2	2	1
	PC16. Ensure the quality of piecing is as per standard		5	2	2	1
	PC17. Ensure the tension of the pieced yarn is proper		5	2	2	1
	PC18. Ensure the cop is perfectly fitted in the spindle		4	2	1	1
	PC19. Verify proper material passage from drafting zone till the yarn wound in cop		5	2	2	1
	PC20. Remove the pneumafil waste and yarn waste and deposit in the respective waste collection bags		4	1	2	1
	PC21. Ensure proper functioning of the machine		5	1	2	2
	<b>Total</b>		<b>100</b>	<b>31</b>	<b>48</b>	<b>21</b>
	<b>Weightage %</b>			<b>31</b>	<b>48</b>	<b>21</b>
	PC1. Ensure proper cleaning of drafting zone	<b>200</b>	8	2	4	2
	PC2. Ensure proper cleaning of creel, guide rods, roving guide, spacer, aprons, top roller lapping, bottom roller lapping, arbour, roving guide, top clearer and bottom clearer.		10	2	6	2
	PC3. Ensure proper rotation of clearer rollers		8	2	4	2

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
<b>4. TSC/N0204 (Carryout cleaning activities at Ring Frame)</b>	PC4. Deposit the yarn waste in the waste collection pocket provided to each tenter and finally depositing in the waste collection box		8	2	6	0
	PC5. Check the pneumafil waste collection once in an hour, or as per predefined scheduled and remove the wastes if required		8	2	5	1
	PC6. Remove the roller lapping manually or with tools provided, without damaging the cots		8	3	5	0
	PC7. Collect the wastes in the waste collection chamber and depositing in the waste collection box		6	3	2	1
	PC8. Ensure the wastes collected from different parts of machine are deposited in the respective dustbins		6	3	2	1
	PC9. Inform for removal of the worn out parts and ensure replacement with new parts in ring frame machine		6	3	2	1
	PC10. Identify end brake for traveller fly.		6	1	3	2
	PC11. Take traveller in traveller tray		6	1	2	3
	PC12. Check correct traveller and confirm the count board		6	1	2	3
	PC13. Replace traveller during count change and as per instructions of supervisor / maintenance in charge		6	1	4	1
	PC14. Ensure proper setting of pneumafil pipe setting		6	1	4	1
	PC15. Check cross roving		4	1	2	1
	PC16. Check top arm lifting		4	1	2	1
	PC17. Check OHTC air blowing		4	1	2	1
	PC18. Check bottom apron, top apron, spacer		7	1	4	2
	PC19. Ensure that only the correct size of traveller is used for replacement.		8	2	2	4
	PC20. Notice damaged bobbins and reuse		6	2	2	2
	PC21. If any quality affecting points noticed, report it to supervisors like missing spacers, spindle vibration damaged aprons, defective cots etc.		6	2	2	2
	PC22. Verify the proper build of the roving bobbin		10	2	2	6



National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC23. Support the doffer while carrying out doffing activities		5	2	2	1
	PC24. Record the production details in the production report		8	5	2	1
	PC25. Report to the supervisor in case of emergency stoppage of machine		8	2	4	2
	PC26. Report to the supervisor and maintenance in charge if the operator was able to replace the worn out machine part with a new one.		8	2	4	2
	PC27. Support the maintenance team while machine is under maintenance		8	1	4	3
	PC28. Ensuring all details related to production are provided the next shift operator while relieving		8	2	4	2
	PC29. Ensure count wise storage of wound bobbin without damaging the roving		8	3	4	1
	<b>Total</b>		<b>200</b>	<b>56</b>	<b>93</b>	<b>51</b>
	<b>Weightage %</b>			<b>28</b>	<b>47</b>	<b>25</b>
<b>5.TSC/N9001 (Maintain work area, tools and machines)</b>	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	<b>50</b>	4	1	2	1
	PC2. use correct lifting and handling procedures		4	1	2	1
	PC3. use materials to minimize waste		3	1	1	1
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		4	2	1	1
	PC6. carry out running maintenance within agreed schedules		4	1	2	1
	PC7. carry out maintenance and/or cleaning within one's responsibility		4	1	2	1
	PC8. report unsafe equipment and other dangerous occurrences		4	1	2	1
	PC9. ensure that the correct machine guards are in place		3	1	1	1
	PC10. work in a comfortable position with the correct posture		3	1	1	1
	PC11. use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC12. dispose of waste safely in the designated location		4	1	2	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	1	2	1
	<b>Total</b>		<b>50</b>	<b>15</b>	<b>21</b>	<b>14</b>
	<b>Weightage %</b>			<b>30</b>	<b>42</b>	<b>28</b>
<b>6.TSC/N9002 (Working in a team)</b>	PC1. be accountable to the own role in whole process	<b>50</b>	4	2	1	1
	PC2. perform all roles with full responsibility		4	2	1	1
	PC3. be effective and efficient at workplace		4	1	2	1
	PC4. properly communicate about company policies		4	1	1	2
	PC5. report all problems faced during the process		4	1	1	2
	PC6. talk politely with other team members and colleagues		4	1	1	2
	PC7. submit daily report of own performance		5	2	2	1
	PC8. adjust in different work situations		4	1	2	1
	PC9. give due importance to others' point of view		4	1	2	1
	PC10. avoid conflicting situations		4	1	2	1
	PC11. develop new ideas for work procedures		5	2	2	1
	PC12. improve upon the existing techniques to increase process efficiency		4	1	2	1
	<b>Total</b>		<b>50</b>	<b>16</b>	<b>19</b>	<b>15</b>
	<b>Weightage %</b>			<b>32%</b>	<b>38%</b>	<b>30%</b>
<b>7.TSC/N9003 (maintain health, safety and security at workplace)</b>	PC1. comply with health and safety related instructions applicable to the workplace	<b>100</b>	5	2	2	1
	PC2. use and maintain personal protective equipment such as “ ear plug” “ nose mask “ “ head cap” etc., as per protocol		5	2	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC3. carry out own activities in line with approved guidelines and procedures		4	2	1	1
	PC4. maintain a healthy lifestyle and guard against dependency on intoxicants		4	2	1	1
	PC5. follow environment management system related procedures		4	2	1	1
	PC6. identify and correct (if possible) malfunctions in machinery and equipment		5	2	2	1
	PC7. report any service malfunctions that cannot be rectified		4	2	1	1
	PC8. store materials and equipment in line with organisational requirements		4	1	2	1
	PC9. safely handle and remove waste		4	1	2	1
	PC10. minimize health and safety risks to self and others due to own actions		5	2	2	1
	PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks		4	2	0	2
	PC12. monitor the workplace and work processes for potential risks and threat		5	2	2	1
	PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		5	2	2	1
	PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel		4	1	2	1
	PC15. participate in mock drills/ evacuation procedures organized at the workplace		4	2	2	0
	PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so		5	2	2	1
	PC17. take action based on instructions in the event of fire, emergencies or accidents		5	2	2	1
	PC18. follow organisation procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental,		4	2	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	personal, ergonomic, chemical) of the industry					
	PC20. recognise other possible security issues existing in the workplace		4	2	1	1
	PC21. recognise different measures to curb the hazards		4	2	1	1
	PC22. communicate the safety plan to everyone		4	2	1	1
	PC23. attach disciplinary rules with the implementation		4	2	1	1
	<b>Total</b>		<b>100</b>	<b>43</b>	<b>34</b>	<b>23</b>
	<b>Weightage %</b>			<b>43%</b>	<b>34%</b>	<b>23%</b>
<b>8.TSC/N9004 (Comply with industry and organizational requirement)</b>	PC1. perform own duties effectively	<b>50</b>	4	1	2	1
	PC2. take responsibility for own actions		4	1	2	1
	PC3. be accountable towards the job role and assigned duties		4	2	1	1
	PC4. take initiative and innovate the existing methods		3	1	1	1
	PC5. focus on self-learning and improvement		4	1	2	1
	PC6. co-ordinate with all the team members and colleagues		4	1	2	1
	PC7. communicate politely		4	1	1	2
	PC8. avoid conflicts and miscommunication		4	1	2	1
	PC9. know the organisational standards		4	2	1	1
	PC10. implement them in your performance		4	1	2	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	3	1	0
	PC13. align them with organisation standards		4	2	1	1
	<b>Total</b>		<b>50</b>	<b>18</b>	<b>19</b>	<b>13</b>
	<b>Weightage %</b>			<b>36%</b>	<b>38%</b>	<b>26%</b>

<b>9. DGT/VSQ/N0101 – Employability Skills</b>	<b>Introduction to Employability Skills</b>			1	1	-
	1. understand the significance of employability skills in meeting the job requirements					
	<b>Constitutional values – Citizenship</b>			1	1	-
	2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.					
	<b>Becoming a Professional in the 21st Century</b>			1	3	-
	3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.					
	<b>Basic English Skills</b>			2	3	-
	4. speak with others using some basic English phrases or sentences					
	<b>Communication Skills</b>			1	1	-
	5. follow good manners while communicating with others					
	6. work with others in a team					
	<b>Diversity &amp; Inclusion</b>			1	1	-
	7. communicate and behave appropriately with all genders and PwD					
	8. report any issues related to sexual harassment					
	<b>Financial and Legal Literacy</b>			3	4	-
	9. use various financial products and services safely and securely					
	10. calculate income, expenses, savings etc.					
	11. approach the concerned authorities for any exploitation as per legal rights and laws					
	<b>Essential Digital Skills</b>			4	6	-
	12. operate digital devices and use its features and applications securely and safely					
	13. use internet and social media platforms securely and safely					
	<b>Entrepreneurship</b>			3	5	-
	14. identify and assess opportunities for potential business					

	15. identify sources for arranging money and associated financial and legal challenges					
	<b>Customer Service</b>			2	2	-
	16. identify different types of customers					
	17. identify customer needs and address them appropriately.					
	18. follow appropriate hygiene and grooming standards.					
	<b>Getting ready for apprenticeship &amp; Jobs</b>			1	3	-
	19. create a basic biodata					
	20. search for suitable jobs and apply					
	21. identify and register apprenticeship opportunities as per requirement					
	<b>NOS Total</b>		<b>50</b>	<b>20</b>	<b>30</b>	<b>-</b>
	<b>Grand Total</b>		<b>800</b>	<b>267</b>	<b>348</b>	<b>185</b>



### **Textile Sector Skill Council**

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