

Model Curriculum

Blowroom Operator

SECTOR: TEXTILE
SUB-SECTOR: SPINNING
OCCUPATION: SPINNING PREPARATORY
REF ID: TSC/Q 0101, VERSION 1.0
NSQF LEVEL: 4



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: 'BLOWROOM OPERATOR' QP No. 'TSC/ Q 0101' **NSQF Level 4'**

Date of Issuance: **January, 18th, 2016**

Valid up to: **January 17th, 2017**

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



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Director (C&T)

(Textile Sector Skill Council)

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Blowroom Operator

CURRICULUM / SYLLABUS

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

Program Name	Blowroom Operator		
Qualification Pack Name & Reference ID.	Blowroom Operator TSC/Q0101, version 1.0		
Version No.	1.0	Version Update Date	30-12-2015
Pre-requisites to Training	Preferably equivalent to 5th (Normal literacy of reading, writing and understanding)		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Become well verse with taking charge of shift and handing over shift • Learn and operate blowroom machines • Perform tenting, cleaning and maintenance activities • Maintain work area, tools and machines • Gain behavioural skill for team working • Maintain health, safety and security at work place • Comply with industry and organisational requirement 		

This course encompasses 7 out of 7 National Occupational Standards (NOS) of “Blowroom Operator” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Taking charge of shift and handing over shift to the operator</p> <p>Theory Duration (hh:mm) 14:00</p> <p>Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Code TSC/N 0101</p>	<ul style="list-style-type: none"> • Learning general discipline • Become well verse with basic skills of communication • Understand the role of blowroom operator • Perform tasks while taking charge of shift and handing over shift • Become familiar in faults identification 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
2	<p>Operating the blowroom machines</p> <p>Theory Duration (hh:mm) 32:30</p> <p>Practical Duration (hh:mm) 47:00</p> <p>Corresponding NOS Code TSC/N 0102</p>	<ul style="list-style-type: none"> • Gain knowledge on machines involved in blowroom sequence & its function • Gain knowledge on mixing count, colour coding, type of textile fibres, etc. • Gain knowledge on control switches and display board operation • Starting and stopping machines • Knowing the safety operations while machine is running • Gain knowledge on control buttons and signal lights used for attending malfunctions • Perform operations of open/close doors, dismantle/assemble parts, etc. • Understanding the tenting operations of blowroom operator such as laying the bales, running machine for production, feeding mixing while working with bale opener, cleaning and maintenance activities • Knowing the contamination types • Opening bale straps and arranging bales to bale opener • set bale opener while lot changing • control and ensuring the functions of condenser, beater, feed rollers, air pressure and all the machines in the blow room line • feeding mixing to the bale opener (manual feeding type) • identify and segregating contaminations in mixing 	<p><u>1. common for every batch:</u> bale truck, trolley for collecting mixing, safety door opening key, working key, poster/video visuals for work method</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> attending malfunctions such as beater chocking, metal jamming, material jamming in line, etc. 	
3	<p>Tenting, cleaning and maintenance responsibilities in blowroom</p> <p>Theory Duration (hh:mm) 27:00</p> <p>Practical Duration (hh:mm) 53:00</p> <p>Corresponding NOS Code TSC/N 0103</p>	<ul style="list-style-type: none"> cleaning waste of droppings from machines at frequent intervals maintaining the waste centralised system sort out the metal pieces from the material collected by the metal detector machine sort out the contaminations from the material collected by the contamination sorter machine keep the machine surrounding clean oiling or grease the machine parts on need basis cleaning the blow room machines by compressed air (off mode) looking other related responsibilities such as assisting carding tenter, checking material filling in all chambers, etc. 	<p><u>1. common for every batch:</u> poster/video visuals for work method</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
4	<p>Maintain work area, tools and machines</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 14:30</p> <p>Corresponding NOS Code TSC/N 9001</p>	<ul style="list-style-type: none"> Gain knowledge on Housekeeping system Identify and know unique functions of hand tools like cleaning hook, cleaning stick, bag, etc. Handling equipments Perform maintenance activities for handling equipments 	<p><u>1. common for every batch:</u> poster/video visuals for work method</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
5	<p>Working in a team</p> <p>Theory Duration (hh:mm) 07:00</p> <p>Practical Duration (hh:mm) 14:00</p> <p>Corresponding NOS Code TSC/N 9002</p>	<ul style="list-style-type: none"> Understanding the team work and its importance Knowing the basic requirements for team working 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
6	<p>Maintain health, safety and security at work place</p>	<ul style="list-style-type: none"> Knowing the general safety Rules Knowing the importance of personal protective equipment like apron, cap, 	<p><u>1. A sample of following items for each trainee:</u></p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration (hh:mm) 16:30</p> <p>Practical Duration (hh:mm) 23:30</p> <p>Corresponding NOS Code TSC/N 9003</p>	<p>earplugs, nose mask etc. and their application under different working conditions.</p> <ul style="list-style-type: none"> Gain knowledge on various health hazards relevant to workplace and basic first aid training. Identify and select right equipment such as fire extinguisher & based on type of fire. Become good practice on first aid, firefighting etc. 	<p>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</p>
7	<p>Comply with industry and organizational requirement</p> <p>Theory Duration (hh:mm) 07:00</p> <p>Practical Duration (hh:mm) 13:00</p> <p>Corresponding NOS Code TSC/N 9004</p>	<ul style="list-style-type: none"> Know about organizational and industry standards Know the requirements for self-development Gain knowledge on Organizational & Industry standards 	<p><u>Class room requirements:</u> 25 people seating capacity with a screen and projector</p>
	<p>Total Duration:</p> <p>Theory Duration 110:00</p> <p>Practical Duration 190:00</p>	<p>Unique Equipment Required: bale truck, trolley for collecting mixing, safety door opening key, working key, air hose, cleaning hook, cleaning brush, sweep stick apron, head cap, nose mask, ear plug, shoe, first aid materials, fire extinguisher, work method posters, work method video visuals, projector, screen</p>	

Grand Total Course Duration: 300 Hours, 0 Minutes

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

Trainer Prerequisites for Job role: “Blowroom Operator” mapped to Qualification Pack: “Blowroom Operator/TQ 0101, Version 1.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ <u>Blowroom Operator/TQ0101, Version 1.0</u> ”.
2	Personal Attributes	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	Minimum Educational Qualifications	Preferably equivalent to 5th (Normal literacy of reading, writing and understanding)
4a	Domain Certification	Certified for Job Role: “ <u>Blowroom Operator</u> ” mapped to QP: “ <u>Blowroom Operator /TQ0101, Version 1.0</u> ”. Minimum accepted score 85%.
4b	Platform Certification	Required that the Trainer is certified for SSC/Q 1402 Job Role: “Trainer” with atleast 85% score
5	Experience	Minimum 2 years experience with Blowroom Operator

Annexure: Assessment Criteria

Assessment Criteria for Blowroom Operator	
Job Role	Blowroom Operator
Qualification Pack	TSC/ Q0101
Sector Skill Council	Textile Sector Skill Council

Sr. No.	Guidelines for Assessment
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 75%.
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
1. TSC/N0101 (Taking charge of shift and handing over shift to Blowroom Operator)	PC1. come at least 10 - 15 minutes earlier to the work spot	100	3	1	1	1
	PC2. bring the necessary operational tools to the department		4	1	2	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.		7	3	2	2
	PC4. understand the mixing followed, count produced, followed in the blowroom for his allocated machines		7	3	2	2
	PC5. Ensure the technical details are mentioned in the display board in the blowroom machine		4	2	1	1
	PC6. check the availability of bales with technical details mentioned regarding the type of cotton used for producing a particular type of yarn		4	1	2	1
	PC7. check the cotton tufts passage and proper transportation of cotton tufts to carding department via chute feed system		3	1	1	1
	PC8. ensure proper functioning of blowroom machine parts and variations if any should be discussed with operator and reported to superiors		5	2	2	1
	PC9. check the cleanliness of the machines & other work areas		4	1	2	1
	PC10. Check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.		4	1	2	1
	PC11. 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.		4	2	1	1
	PC12. ensure the wastes collection boxes are empty while taking charge of shift		4	1	2	1
	PC13. ensure the work spot is clean		3	1	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC14. hand over the shift to the incoming blow room operator in a proper manner		5	2	2	1
	PC15. ensure in providing the details regarding mixing followed, count produced, followed in the blowroom machines		7	3	2	2
	PC16. provide all relevant information regarding the count produced, damaged machine parts if any		7	3	2	2
	PC17. get clearance from the incoming counterpart before leaving the work spot		5	2	1	2
	PC18. 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		5	2	1	2
	PC19. ensure the shift has to be properly handed over to the incoming shift operator		4	1	2	1
	PC20. 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
	PC21. collect the wastes from waste collection bags, weigh them and transport to storage area		4	2	2	0
	PC22. ensure the work spot is clean		3	1	1	1
	Total		100	37	35	28
	Weightage %			37	35	28
2. TSC/N0102 (Operating the machines in blowroom)	PC1.ensure receipt of correct bales from bale go down storage area	200	6	2	3	1
	PC2.lay the bales as per the plan given		6	2	3	1
	PC3.open the bale hoops		6	4	2	0
	PC4.remove covering cloth		5	3	2	0
	PC5.clean the sides of bales.		5	3	2	0
	PC6.ensure proper identification of the bales		6	2	3	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC7.use proper material handling tools for transporting bales and opening the bales		5	2	2	1
	PC8.use proper cleaning equipment for cleaning the outer surface of the bales		7	2	3	2
	PC9.remove the bale strip properly.		4	2	2	0
	PC10.keep the bale strip at specified place after cleaning it and rolling it		4	1	2	1
	PC11.ensure proper material handling of tools and equipment		5	3	1	1
	PC12.start the sequence of machines in blowroom		6	2	3	1
	PC13.control the feed as per the requirement of the next machine		7	3	3	1
	PC14.ensure proper functioning of condensers		7	3	3	1
	PC15.ensure proper functioning of all the machines in blowroom department		6	2	3	1
	PC16.ensuring the proper functioning of machines, beaters and no chocking occurs in machines		5	2	2	1
	PC17.ensure the opened material is properly transported through all machines		6	2	3	1
	PC18.ensure the wastes are collected in the waste box of the machines		8	4	3	1
	PC19.follow the different signal lamps used in machines		6	2	3	1
	PC20.know the different control buttons and should know to operate the buttons on need basis		6	2	3	1
	PC21.ensure proper identification of the bales.		7	4	2	1
	PC22.take fiber uniformly from all bales and feed them in the lattice of bale opener evenly.		7	4	2	1
	PC23.ensure the fiber should be spread evenly throughout the lattice and it should not be fed in big lumps.		6	2	3	1
	PC24.ensure the material is not be fed over the height of the feed lattice.		6	2	3	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC25.remove contaminations like metal particles, wooden pieces, jute threads, polypropylene twine, cloth pieces, oily or stained fiber, hair etc. while feeding the material on lattice.		7	2	3	2
	PC26.take maximum care when there is a mix change		7	3	3	1
	PC27.segregate the contaminations in the bales and keep them separately		7	4	2	1
	PC28.feed material and soft wastes in loose form also, if instructed		10	4	4	2
	PC29.ensure proper functioning of machine		6	2	3	1
	PC30.ensure proper handling material		7	2	3	2
	PC31.ensure safety while operating the machines in blowroom		7	4	2	1
	PC32.use of safety gadgets like caps, masks and shoes and verifying the safety stop motions		7	4	2	1
	Total		200	85	83	32
	Weightage %			43	42	16
3. TSC/N0103 (Tenting, cleaning and maintenance responsibilities in blowroom)	PC1. follow the schedules for collecting the wastes at regular intervals	200	6	3	2	1
	PC2. remove contaminations in the side of bales		6	2	3	1
	PC3. clean the machine along with the maintenance person		6	2	3	1
	PC4. keep the machine surroundings always clean		6	2	2	2
	PC5. ensure the blowroom departments is clean and free from flies		6	2	3	1
	PC6. collect the waste from the centralized waste collection systems when it is full		6	2	3	1
	PC7. sort out the metal pieces from the material collected at EMA EAM system and deposit the good cotton in bags in trolley and laid in concerned mixing / specified area.		8	3	4	1
	PC8. sort out the jammed cotton and deposit the good cotton in bags		6	2	3	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC9. ensure that the nylon bags for waste collection is not over filled or jammed		6	2	3	1
	PC10. Make sure that cotton wastes are falling in respective bags.		6	2	2	2
	PC11. Remove the cotton wastes from the filled bags in time.		6	2	3	1
	PC12. transport the wastes to the allotted place for cleaning the contaminations		6	2	3	1
	PC13. keep the waste area clean and avoid mix-up		6	2	3	1
	PC14. transfer the wastes to waste go down		5	1	3	1
	PC15. weigh the wastes and record in register		6	2	3	1
	PC16. Oiling the different machines on need basis		5	2	2	1
	PC17. Supporting the maintenance team during maintenance		6	2	3	1
	PC18. Attend the respective machines whenever the alarm rings.		6	2	2	2
	PC19. Report to respective Superiors / maintenance an officer about any machine is malfunctioning.		6	2	3	1
	PC20. remove the jam if occurs in Metal scan and keep the waste in respective trolleys		7	2	4	1
	PC21. ensure the smooth functioning of pre-filter to avoid any jam of filter		5	2	2	1
	PC22. Attend minor break-downs and assist to restart the machine without any delay.		7	2	4	1
	PC23. ensure smooth functioning of beaters and important machine parts in blowroom machines		6	3	2	1
	PC24. come to the blowroom department 15 minutes before the shift commencement and collect information's regarding the current process in blowroom		5	2	2	1
	PC25. See the function of the signal lamp and ensure that machine is always		5	2	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	working properly, if any deviation inform superiors immediately					
	PC26. monitor the position of chambers at the time of assortment change in bale plucker		5	2	2	1
	PC27. monitor the plucking head during exhaustion time of assortment to avoid cotton jam on plucking head or insufficient material plucking from the assortment to avoid stoppage of cards		6	2	3	1
	PC28. ensure proper material transport in chutes		5	2	2	1
	PC29. ensure that the by-pass arrangements are appropriate for the mixing being processed		6	2	3	1
	PC30. assist carding tenter to start the machine with minimum possible time at the time of power failure and break-down		6	2	3	1
	PC31. ensure the proper functioning of signal lamps		5	2	2	1
	PC32. ensure that machine is always working properly, if any deviations inform superiors immediately		5	2	2	1
	PC33. check the ejection in Metal scan for last one hour and if any variation is noticed, inform superiors immediately		6	3	2	1
	PC34. check the respective lay-down and remove the bale or portion of the bale having more contamination and inform superiors ,if ejection of wastes are high		4	1	2	1
	PC 35. Provide all relevant information's of the current working process to the next shift operator before relieving.		3	1	2	0
	Total		200	71	92	37
	Weightage %			35	46	19
4.TSC/N9001 (Maintain work area, tools and machines)	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	50	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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	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
	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
	Total		50	15	21	14
	Weightage %			30	42	28
5.TSC/N9002 (Working in a team)	PC1. be accountable to the own role in whole process	50	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		3	1	1	1
	PC9. give due importance to others' point of view		3	1	1	1
	PC10. avoid conflicting situations		3	1	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC11. Collaborate with colleagues performing the pre-required and post-required duty of a blow room operator.		4	2	1	1
	PC12. develop new ideas for work procedures		4	1	2	1
	PC13. improve upon the existing techniques to increase process efficiency		4	1	2	1
	Total		50	17	17	16
	Weightage %			34	34	3
6.TSC/N9003 (Maintain health, safety and security at work place)	PC1. comply with health and safety related instructions applicable to the workplace	100	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
	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 organizational 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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	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 organization procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		4	2	1	1
	PC20. recognize other possible security issues existing in the workplace		4	2	1	1
	PC21. recognize 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
	Total		100	43	34	23
	Weightage %			43	34	23
7.TSC/N9004 (Comply with industry and organizational requirement)	PC1. perform own duties effectively	50	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 organizational 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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC12. know the industry standards		4	3	1	0
	PC13. align them with organization standards		4	2	1	1
	Total		50	18	19	13
	Weightage %			36	38	26
	Total		750	286	301	163
Grand Total			750			



Textile Sector Skill Council

15th Floor, Nirmal Tower, Barakhamba Road, New Delhi-110 001