

Model Curriculum

Combing Preparatory Operator

SECTOR: TEXTILE
SUB-SECTOR: SPINNING - TEXTILES
OCCUPATION: PRE SPINNING OPERATIONS
REF ID: TSC/Q 0103, 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: 'COMBING PREPARATORY OPERATOR' QP No. 'TSC/ Q 0103' **NSQF Level 4**

Date of Issuance: "०२" ०१" २०२२

Valid up to: "०२" ०१" २०२३

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



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Combing Preparatory Operator

CURRICULUM / SYLLABUS

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

Program Name	Combing Preparatory Operator		
Qualification Pack Name & Reference ID.	Combing Preparatory Operator TSC/Q0103, version 3.0		
Version No.	3.0	Version Update Date	25.11.2021
Pre-requisites to Training	<ul style="list-style-type: none"> • Grade 9 with No Experience (OR) • Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience (OR) • 8th grade pass with 1 year of relevant experience (OR) • 5th grade pass with 4 years of relevant experience (OR) • Ability to read and write with 5 years of experience" 		
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 combing preparatory machines • Perform creeling, piecing and doffing 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 “Combing Preparatory Operator”
Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Taking charge of shift and handing over shift to operator Theory Duration (hh:mm) 07:30 Practical Duration (hh:mm) 22:30 OJT Duration (hh:mm) 15:00 Corresponding NOS Code TSC/N 0107	<ul style="list-style-type: none"> Learning general discipline Become well verse with basic skills of communication Understand the role of combing preparatory operator Perform tasks while taking charge of shift and handing over shift Become familiar in faults identification 	<u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
2	Operating the combing machine Theory Duration (hh:mm) 22:30 Practical Duration (hh:mm) 67:30 OJT Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 0108	<ul style="list-style-type: none"> Gain knowledge on machine parts & its function Understand the tenting activities of comber preparatory (lap former) tenter such as change sliver can, attend piecing, fetch supply cans, reserve empty spools for doffing, dispose doffed laps and carry out cleaning activities of lap former machine at frequent intervals Gain knowledge on control switches and display board operation starting, inching and stopping machine Gain knowledge on control buttons and signal lights used for attending malfunctions and doffing Knowing procedures to be followed to open/close doors, dismantle/assemble parts, etc Cleaning creel, drafting and lap doffing zone using brush or cleaning gun 	<u>1. common for every batch:</u> Sliver can, lap spools, lap trolley, cleaning guns, cleaning stick, cleaning brush, poster/video visuals on work methods <u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
3	Carryout creeling, piecing and doffing activities	<ul style="list-style-type: none"> Gain knowledge on machine parts & its function related to the respective module Gain knowledge on count, lap length, can content, colour coding, etc. 	<u>1. common for every batch:</u> Sliver can, lap spools, lap trolley, cleaning guns, cleaning stick, cleaning brush, poster/video visuals on work methods

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration (hh:mm) 30:00</p> <p>Practical Duration (hh:mm) 60:00</p> <p>OJT Duration (hh:mm) 15:00</p> <p>Corresponding NOS Code TSC/N 0109</p>	<ul style="list-style-type: none"> Knowing procedure for handle full/empty sliver cans and spools (castor & non castor cans) Knowing procedure for patrolling and check sliver can exhaust, sliver break, and malfunctions Become familiar in sliver piecing Repairing broken sliver at creel region attending lapping break of drafting top/bottom roller replenishing sliver cans and run machine gain skill with quality of sliver piecing cleaning lap spools and maintained tidy reserving empty spools in magazine for lap doffing knowing post doffing responsibilities handle lap trolley and transporting laps from lap former to comber machine set lap trolley at position in front of doffing zone Gain knowledge on Waste control activities 	<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) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N 9001</p>	<ul style="list-style-type: none"> Gain knowledge on Housekeeping system Well verse in Identification of basic hand tools like cleaning hook, cleaning brush, cleaning gun, bag, etc. Knowing the Procedure for handling equipments Perform maintenance activities for handling equipments 	<p><u>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) 05:00</p> <p>Practical Duration (hh:mm) 10:00</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>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code TSC/N 9002		
6	Maintain health, safety and security at work place Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 9003	<ul style="list-style-type: none"> Knowing the general safety Rules Knowing the importance of personal protective equipment like apron, cap, earplugs, nose mask etc. and their application under different working conditions. 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. 	<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
7	Comply with industry and organisational requirement Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code TSC/N 9004	<ul style="list-style-type: none"> Know about organizational and industry standards Know the requirements for self-development Gain knowledge on Organizational & Industry standards 	<u>Class room requirements:</u> 25 people seating capacity with a screen and projector

8	<p>Employability Skills (30 Hours)</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 18:00</p>	<ul style="list-style-type: none"> • Discuss the importance of Employability Skills in meeting the job requirements. • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. • Show how to practice different environmentally sustainable practices • Discuss 21st century skills. • Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations. • Use appropriate basic English sentences/phrases while speaking • Demonstrate how to communicate in a well-mannered way with others. • Demonstrate working with others in a team • Show how to conduct oneself appropriately with all genders and PwD • Discuss the significance of reporting sexual harassment issues in time • Discuss the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws • Show how to operate digital devices and use the associated applications and features, safely and securely • Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely. • Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges. • Differentiate between types of customers • Explain the significance of identifying customer needs and addressing them • Discuss the significance of maintaining hygiene and dressing appropriately. • Create a biodata • Use various sources to search and apply for jobs • Discuss the significance of dressing up neatly and maintaining hygiene for an interview • Discuss how to search and register for apprenticeship opportunities. 	<p>Class room requirements: 25 people seating capacity with a screen and projector</p>
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	Total Duration: Theory Duration 102:00 Practical Duration 228:00 OJT Duration 60:00	Unique Equipment Required: Samples of lap spool, full lap and Sliver can Lap trolley, cleaning hook, cleaning gun, 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
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Grand Total Course Duration: 390 Hours, 0 Minutes

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

Trainer Prerequisites for Job role: “Combing Preparatory Operator” mapped to Qualification Pack: “Combing Preparatory Operator/TSC/Q 0103, Version 3.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “Combing Preparatory Operator/TSC/Q0103, Version 3.0”.
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-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Able to read and write
4a	Domain Certification	Certified for Job Role: “Combing Preparatory Operator” mapped to QP: “Combing Preparatory Operator/TSC/Q0103, Version 3.0”. Minimum accepted score 80%.
4b	Platform Certification	Required that the Trainer is certified for MEP/Q2601 Job Role: “Trainer” with atleast 80% score
5	Experience	Minimum 4 years experience as a Combing preparatory trainer and 1 year as a operator

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"> • have good communication skills • be well versed in English • have digital skills • have attention to detail • be adaptable • have willingness to learn
Certified current EEE trainers (155 hours)	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

Annexure: Assessment Criteria

Assessment Criteria for Combing Preparatory Operator	
Job Role	Combing Preparatory Operator
Qualification Pack	Combing Preparatory Operator (TSC/Q 0103)
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 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
1. TSC/N0107 (Taking charge of shift and handing over shift to Combing Preparatory Tenter)	PC1. come at least 10 - 15 minutes earlier to the work spot	100	4	2	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.		5	2	1	2
	PC4. understand the hank produced, color coding, followed in the combing preparatory and combing department for his allocated number of machines		6	2	2	2
	PC5. ensure the technical details are mentioned in the display board in the autoconer		4	2	1	1
	PC6. check for the availability of the comber laps and spools in storage area		4	1	2	1
	PC7. ensure all the machines are running properly, machines which are not running and problems if any should be clarified with the supervisor and operator		4	1	2	1
	PC8. ensure proper functioning of combing machine parts		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
	PC14. ensure carding can randomization		5	2	2	1
	PC15. hand over the shift to the incoming shift operator in a proper manner		6	2	2	2
	PC16. ensure in providing the details regarding hank produced, color coding followed in the combing preparatory for his allocated number of machines		6	2	2	2

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC17. provide all relevant information regarding the hank produced, , damaged machine parts if any		5	2	1	2
	PC18. get clearance from the incoming counterpart before leaving the work spot		5	2	1	2
	PC19. 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	2	1
	PC20. ensure the shift has to be properly handed over to the incoming shift operator		4	1	1	2
	PC21. 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	2	2	0
	PC22. collect the wastes from waste collection bags, weigh them and transport to storage area		3	1	1	1
	PC23. ensure the work spot is clean		3	1	1	1
	Total		100	35	36	29
	Weightage %			35	36	29
2. TSC/N0108 (Operating the combing preparatory machines)	PC1. ensure that necessary changes and tests are carried out and follow the instructions of the superiors before running the machine	250	5	2	1	2
	PC2. operate the control switches for starting and stopping the machine		5	2	1	2
	PC3. follow the different signal lamps used in machines		4	1	2	1
	PC4. identify the mixing by looking at the hank board affixed on the machine		4	1	2	1
	PC5. sliver display monitor should be always on while the machine is working		4	1	2	1
	PC6. ensure proper functioning of comber by verifying in the display panel		4	1	2	1
	PC7. check whether the comber lap is properly fed		4	1	2	1
	PC8. replenish the laps with minimum waste		4	1	2	1
	PC9. remove the roller lapping		4	1	2	1
	PC10. draw the cotton web to the delivery zone		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC11. piece the sliver during breakage		6	2	2	2
	PC12. doff the full comber sliver can		6	2	2	2
	PC13. view the display panel and identify the reasons for machine stoppages if any		4	1	2	1
	PC14. ensure the machine is running in the set speed by viewing the display panel		4	1	2	1
	PC15. ensure the working area is clean		4	1	2	1
	PC16. ensure surface of the comber lap fed is free from defects / damages		4	1	2	1
	PC17. ensure the sliver produced is free from surface damages		4	1	2	1
	PC18. clean the can castors before putting the cans to the comber		4	1	2	1
	PC19. ensure the sliver cans are clean before feeding in the doffing zone		4	1	2	1
	PC20. clean the drafting zone twice a shift and remove cotton sticking in the rollers, bearings etc		5	2	2	1
	PC21. remove the defect in slivers		5	2	2	1
	PC22. support the mechanic while carryout cleaning maintenance activities		4	1	2	1
	PC23. ensure drawing area is clean		4	1	2	1
	PC24. ensure the comber table is clean and clean at regular intervals		3	1	1	1
	PC25. carryout cleaning activities in creeling zone, drafting zone, and delivery zone		4	1	2	1
	PC26. ensure that the nipper, half lap, top comb, drafting zone, table, calendaring zone, triumphet, coilers etc. are clean		4	1	2	1
	PC27. collect the noils in the comber machine at the specified intervals		4	1	2	1
	PC28. clean the comber once a shift and remove cotton sticking if any		5	2	2	1
	PC29. clean the wastes around the machine		4	1	2	1
	PC30. deposit the lap / sliver waste mixing wise in the containers provided near the machine		4	1	2	1
	PC31. ensure safety while carrying out cleaning		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC32. ensuring the wastes collected are deposited in the respective hank wise waste box		4	1	2	1
	PC33. ensure combing area is clean		3	1	1	1
	PC34. support the fitter for carrying out maintenance activities		5	2	2	1
	PC35. ensure the draft variation on CV% is within the limits and if it's abnormal report it to superiors		4	1	2	1
	PC36. ensure the noils are removed as per the set limits, if abnormal should be reported to the superiors		5	2	2	1
	PC37. attend roller lapping, chocking of lap, sliver and ensure minimum waste		5	2	2	1
	PC38. carry out wheel changes/ hank changes as per supervisor's instructions		5	2	2	1
	PC39. ensure roller lapping doesn't happen frequently		4	1	2	1
	PC40. ensure the rollers are dry enough to avoid lapping		4	1	2	1
	PC41. ensure the top comb is clean		4	1	2	1
	PC42. ensure the surface of the comber table is smooth		4	1	2	1
	PC43. release the pressure on top rollers of the drafting zone when the machine is to be stopped for longer duration		4	1	2	1
	PC44. ensure the noil sortiment position in panel board is as per the direction of supervisors		4	1	2	1
	PC45. inform superiors immediately if the sliver monitors alarm rings in the machine		4	1	1	2
	PC46. inform the supervisor and maintenance in charge in case of a jam		4	1	1	2
	PC47. report to the superiors and support him for carrying out maintenance activities ,in case of any break-downs,		5	1	1	3
	PC48. support the fitter during minor breakdown		4	1	2	1
	PC49. ensure proper material handling of spool, comber lap, sliver, sliver can and empty can		5	2	2	1
	PC50. ensure using proper material handling of tools and equipment		5	2	2	1
	PC51. ensure safety while operating the comber		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC52. use the safety gadgets like caps, masks and shoes and verifying the safety stop motions		5	2	2	1
	PC53. ensure the sliver produced is free from outside damages		4	1	2	1
	PC54. Inform superiors immediately, if any break down or fault in the machine is noticed		4	1	1	2
	PC55. ensure the proper functioning of signal lamps		3	1	1	1
	PC56. ensure that machine is working properly, if any deviations inform superiors immediately		4	1	2	1
	PC57. collect the reusable wastes and weigh them at shift end and place them in specified area		6	2	2	2
	PC58. Provide all relevant information's of the current working process to the next shift operator before relieving.		6	2	2	2
	Total		250	74	107	69
	Weightage %			30	42	28
3. TSC/N0109 (Carryout creeling, piecing and doffing activities at Combing preparatory)	PC1. understand the mixings, hanks and the color codification used	200	6	2	1	3
	PC2. ensure the correct hank of comber laps are taken for creeling		6	2	2	2
	PC3. follow proper color coding of comber laps		4	1	2	1
	PC4. creel the required number of cans and drawing the sliver forward		5	2	2	1
	PC5. ensure proper creeling procedure is followed for creeling the comber laps		5	2	2	1
	PC6. ensure the laps are passed through all guide rollers, comber table and stop motions		6	2	3	1
	PC7. ensure proper material handling of spool and comber laps		5	2	2	1
	PC8. identify whether the machine stoppage by viewing the signal lamps and in display panel		4	1	2	1
	PC9. identify the reasons for machine stoppage		5	2	2	1
	PC10. ensure minimum time is taken for attending the roller lapping, comber web breakage and sliver breakage		4	1	2	1
	PC11. ensure minimum time is taken for attending the breakage at creel zone		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC12. identify the reason for breakage is due to roller lapping, comber web breakage or due to comber lap exhaust		4	1	2	1
	PC13. ensure proper procedure is followed for creeling the comber lap		5	2	2	1
	PC14. ensure the comber lap is properly combed by comber		6	2	3	1
	PC15. ensure the thickness of comber web produced is uniform		6	2	3	1
	PC16. draw the comber web through the comber head and trumpet for sliver formation		6	2	3	1
	PC17. ensure proper length of sliver is available for drawing in the comber table		5	2	2	1
	PC18. ensure all the sliver are uniformly drawn through comber table to the calendaring zone		4	1	2	1
	PC19. ensure standard piecing procedure is adopted and quality of piecing is as per standards		5	2	2	1
	PC20. ensure all the sliver are uniformly calendared and drafted in drafting zone		5	2	2	1
	PC21. ensure minimum time is taken for drawing the sliver		4	1	2	1
	PC22. ensure the sliver passes to the coiler zone uniformly		5	2	2	1
	PC23. collect the wastes collected and store in the respective waste bins hank wise		5	2	2	1
	PC24. keep the sliver waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box		4	1	2	1
	PC25. open the calendaring zone		5	2	2	1
	PC26. ensure minimum time is taken for piecing the sliver		5	2	2	1
	PC27. ensure proper procedure is followed		4	1	2	1
	PC28. draw the sliver through the conveyor rollers and pass it through the coiler rollers in delivery zone into the sliver can		5	2	2	1
	PC29. ensure proper functioning of machine post piecing		5	2	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC30. collect the wastes collected during piecing and store the waste at respective waste box		4	1	2	1
	PC31. segregate the reusable wastes and weigh and record them in a register		4	1	2	1
	PC32. transfer the reusable wastes to blowroom/ storage area		4	1	2	1
	PC33. ensure standard piecing procedure is adopted and quality of piecing is as per standards		4	1	2	1
	PC34. verify the quality of piecing done in the sliver		5	2	2	1
	PC35. ensure minimum time is taken for piecing the sliver		4	1	2	1
	PC36. ensure safety while carrying out piecing activity		4	1	2	1
	PC37. collect the empty cans from drawing or carding department for feeding the empty cans		5	2	2	1
	PC38. keep the can castors clean before feeding		4	1	2	1
	PC39. ensure whether the sliver can is ready for doffing by viewing the details in display panel		5	2	2	1
	PC40. Keep the required number of empty cans near doff zone for automatic can change		4	1	2	1
	PC41. keep the empty sliver can near the doffing machine in manual doffing		5	2	2	1
	PC42. doff the full sliver can in case of manual doffing		6	2	2	2
	Total		200	67	87	46
	Weightage %			34	44	23
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		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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC8. report unsafe equipment and other dangerous occurrences	50	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
	Weight age %			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		5	1	2	1
	PC4. properly communicate about company policies		4	1	2	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	1	2
	PC9. give due importance to others' point of view		4	2	1	1
	PC10. avoid conflicting situations		4	2	1	1
	PC11. develop new ideas for work procedures		4	1	2	1
	PC12. improve upon the existing techniques to increase process efficiency		4	1	2	1
	Total		50	17	17	16
	Weightage %			34	34	32

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
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
	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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	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
	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 %			34	40	26

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory Marks	Practical Marks	Viva Marks
8. DGT/VSQ/ N0101 – Employability Skills	Introduction to Employability Skills			1	1	-
	1. understand the significance of employability skills in meeting the job requirements					
	Constitutional values – Citizenship			1	1	-
	2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.					
	Becoming a Professional in the 21st Century			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.					
	Basic English Skills			2	3	-
	4. speak with others using some basic English phrases or sentences					
	Communication Skills			1	1	-
	5. follow good manners while communicating with others					
	6. work with others in a team					
	Diversity & Inclusion			1	1	-
	7. communicate and behave appropriately with all genders and PwD					
	8. report any issues related to sexual harassment					
	Financial and Legal Literacy			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					

	Essential Digital Skills			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					
	Entrepreneurship			3	5	-
	14. identify and assess opportunities for potential business					
	15. identify sources for arranging money and associated financial and legal challenges					
	Customer Service			2	2	-
	16. identify different types of customers					
	17. identify customer needs and address them appropriately.					
	18. follow appropriate hygiene and grooming standards.					
	Getting ready for apprenticeship & Jobs			1	3	-
	19. create a basic biodata					
	20. search for suitable jobs and apply					
	21. identify and register apprenticeship opportunities as per requirement					
	NOS Total		50	20	30	-
	Grand Total		850	289	351	210



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