

Model Curriculum

Ring Frame Doffer

SECTOR : TEXTILE
SUB-SECTOR : SPINNING - TEXTILES
OCCUPATION : SPINNING
REF. ID : TSC/Q0202, 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 DOFFER' QP No. 'TSC/Q 0202' **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 Doffer

CURRICULUM / SYLLABUS

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

Program Name	Ring Frame Doffer		
Qualification Pack Name & Reference ID.	Ring frame Doffer TSC/Q0202, version 3.0		
Version No.	3.0	Version Update Date	30.09.2021
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 perform doffing preparation • Perform doffing and post doffing operations • Gain knowledge of responsibilities while working in auto doffer • 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 8 out of 8 National Occupational Standards (NOS) of “Ring Frame Doffer” 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 doffer Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 0205	<ul style="list-style-type: none"> Learning general discipline Become well verse with basic skills of communication Understand the role of Ring frame doffer 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	Preparing for doffing activity Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 0206	<ul style="list-style-type: none"> Knowing Requirements for attend doffing Patrol and identify the machine for carryout doffing handling doffing trolley, doffing crates and empty tubes Gain knowledge on colour coding system Identification of empties storage location collecting and arranging empty tubes 	<u>1. A sample of following items for each trainee:</u> empty tube, doffing trolley, doffing crates, empties bin, <u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
3	Carryout the doffing and post doffing activity Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 60:00 Corresponding NOS Code TSC/N 0207	<ul style="list-style-type: none"> Gain knowledge on machine parts & its function related to the respective module Knowing Non-Verbal communications used in doffing activity Gain knowledge on count, cop content, under winding length, cop defects, etc Gain knowledge on machine control switches stopping machine removing full cops and inserting empty tubes starting machine piecing the broken yarn changing traveller changing roving bobbin patrolling machines Identification of pneumafil waste, bonda waste, yarn waste, etc. 	<u>1. A sample of following items for each trainee</u> doffing trolley, doffing crates and boxes cop, empty tube, traveller, lapping cleaning hook <u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> knowing Waste control activities perform Quality doffing and piecing 	
4	Responsibilities while working in auto doffer Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 0208	<ul style="list-style-type: none"> Gain knowledge on auto doffer in R/F Knowing Responsibilities of sider in autodoffer R/F handling gripper assisting frame during doffing 	<u>1. common for every batch:</u> machine working/doffing diagram <u>2. Class room requirements:</u> 25 people seating capacity with a screen and projector
5	Maintain work area, tools and machines Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code TSC/N 9001	<ul style="list-style-type: none"> Gain knowledge on Housekeeping system Identification of basic hand tools like cleaning hook, cleaning stick, bag, etc. handling equipments perform Maintenance activities for handling equipments 	<u>Class room requirements:</u> 25 people seating capacity with a screen and projector
6	Working in a team Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code TSC/N 9002	<ul style="list-style-type: none"> Understanding the team work and its importance Knowing the basic requirements for team working 	<u>Class room requirements:</u> 25 people seating capacity with a screen and projector
7	Maintain health, safety and security at work Place Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00	<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. 	<u>1. A sample of following items for each trainee:</u> apron, head cap, nose mask, ear plug, shoe, 2. common for every batch: first aid materials, fire extinguisher, work method posters/pictures, 3. <u>Class room requirements:</u> 25 people seating capacity with a screen and projector

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code TSC/N 9003	<ul style="list-style-type: none"> Identify and select right equipment such as fire extinguisher & based on type of fire. Become good practice on first aid, fire fighting etc. 	
8	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 organisational and industry standards Know the requirements for self-development Gain knowledge on Organisational & Industry standards 	<u>Class room requirements:</u> 25 people seating capacity with a screen and projector
9	Employability Skills (30 Hours) Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 18:00	<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 	Class room requirements: 25 people seating capacity with a screen and projector

		<p>the concerned authorities in time for any exploitation as per legal rights and laws</p> <ul style="list-style-type: none"> • 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>Total Duration: 330:00</p> <p>Theory Duration: 102:00</p> <p>Practical Duration:228:00</p>	<p>Unique Equipment Required: Apron, head cap, nose mask, earplug, shoe, doffing trolley, lapping cleaning hook, cleaning stick and hip bag.</p>	

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 Doffer” mapped to Qualification Pack: “Ring Frame Doffer /TSC Q 0202, 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 “Ring Frame Doffer/TSC Q0202, 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	Basic Literacy and Numeracy
4a	Domain Certification	Certified for Job Role: “Ring Frame Doffer” mapped to QP: “Ring Frame Doffer/TSC Q0202, 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 Ring frame doffer trainer and 1 year as a tenter/ doffer

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 Ring Frame Doffer	
Job Role	Ring Frame Doffer
Qualification Pack	Ring Frame Doffer (TSC/Q 0202)
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/N 0205 (Taking charge of shift and handing over shift to Ring Frame Doffer)	PC1. reach the work place at least 10 - 15 minutes early	75	3	1	1	1
	PC2. bring the necessary operational tools to the department		4	1	2	1
	PC3. understand the count produced, colour coding, followed in the ring frames		4	1	1	2
	PC4. meet the previous shift doffer and discuss with him/ her regarding the schedule of doffing activities to be carried out in ring frame department, and issues faced with respect to the quality, production, spare, safety or any other specific instruction etc.		4	1	1	2
	PC5. ensure the technical details are mentioned in the display board in the ring frame machine		4	1	2	1
	PC6. check the availability of empty cops and fill the empty cop trolley and ensure colour coding and technical details mentioned		4	1	2	1
	PC7. ensure proper functioning of cop trolleys		3	1	2	0
	PC8. check the condition of empty cops in cop trolleys		3	1	2	0
	PC9. ensure proper functioning of ring frame machine parts		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. Ask the previous shift doffer for any deviation in the above and bring the same to the knowledge of his/ her shift superior and the superior of the previous shift as well.		4	1	1	2
	PC12. ensure the wastes collection boxes are empty while taking charge of shift		4	1	2	1
	PC13. ensure that the workplace is clean		4	1	2	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 ring frame doffer in a proper manner it should be recorded in a proper way. Convey information effectively, and confirm understanding. Provide the details regarding count produced, colour coding followed in the ring frames and prepare schedule for carrying out doffing activities		4	1	1	2
	PC15. get clearance from the incoming counterpart before leaving the work spot		4	1	1	2
	PC16. report to his/ her shift superior and the incoming shift doffer in case his/ her counterpart does not report for the incoming shift		4	1	1	2
	PC17. ensure the shift is properly handed over to the incoming shift doffer		4	1	1	2
	PC18. 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 superior		4	1	1	2
	PC19. ensure that the work spot is clean		3	1	1	1
	PC20. lot Change and count change cleaning		3	1	1	1
	Total		75	20	29	26
	Weightage %			27	39	34
2. TSC/N 0206 (Prepare for Ring frame doffing activity)	PC1. follow the plan as instructed by superior for performing doffing activities at various machines in ring frame department	100	5	2	1	2
	PC2. patrol and identify which machine in ring frame departments is ready for doffing		3	1	1	1
	PC3. ensure minimum time is taken for identifying the machine to be carryout doffing activity		3	1	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC4. ensure in confirming the machine with the superiors for carrying out doffing activity		3	1	1	1
	PC5. identify the empty cops required for next doff and segregate it according to size and colour code		4	1	2	1
	PC6. ensure the cops are clean		3	1	2	0
	PC7. clean the empty cops and remove the yarn remnants, if needed		4	1	2	1
	PC8. remove the collected waste and store it in a waste collection box		4	2	1	1
	PC9. ensure that the empty cops are in good condition		3	1	2	0
	PC10. remove the damaged cops and store in a separate place		4	1	2	1
	PC11. ensure that an empty cop of correct size and colour code is loaded in the bobbin trolley		3	1	1	1
	PC12. ensure proper material handling of empty cops		3	1	1	1
	PC13. load the empty cops in the cop trolley in an organised manner		4	1	2	1
	PC14. load the required number of empty cops as per requirement in different cop trolleys		4	2	1	1
	PC15. move and arrange the cop trolleys in an organised manner near the ring frame machine in which doffing activity is to be carried out		5	2	3	0
	PC16. ensure minimum time is taken for carrying the above activities		4	1	2	1
	PC17. ensure that overhead blower parked at one side of the m/c during doffing		4	2	1	1
	PC18. overhead blower should start as soon the doffing m/c starts		3	1	1	1
	PC19. support the tenter in bringing the new bobbin from the speed frame department to the ring frame filling zone at the time of lot change as per instruction from the superiors		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC20. to ensure correct roving bobbins are taken for filling		4	1	2	1
	PC21. creel the roving bobbins in the reserve umbrella creel as instructed by superiors		5	2	2	1
	PC22. ensure proper material handling of bobbin and bobbin trolley		4	1	2	1
	PC23. keep the roving waste in the waste collection pocket provided to each operator and then put in the waste in waste collection box		4	1	2	1
	PC24. ensure minimum time is taken for filling the roving bobbin		4	1	2	1
	PC25. discuss with the supervisor on a timely basis for clarifications if any		5	2	2	1
	PC26. ensure cleanliness at work place		4	1	2	1
	Total		100	33	43	24
	Weightage %			33	43	24
3. TSC/N 0207 (Carry out ring frame doffing activity and post doffing activities)	PC1. transport the empty cop trolley of ring frame machine	150	4	1	2	1
	PC2. arrange the cops trolley in an organised manner		4	1	2	1
	PC3. stop the machine		3	1	2	0
	PC4. ensure the machine is completely stopped		4	1	2	1
	PC5. Ensure lappet rail are lifted automatically, otherwise do it manually		4	1	2	1
	PC6. remove the full yarn cop from spindle and replace it with an empty cop from the cop trolley		5	2	2	1
	PC7. ensure proper procedure is followed for carrying out doffing activity		4	1	2	1
	PC8. ensure the empty cop is properly mounted in the spindle		5	1	3	1
	PC9. repeat the doffing activity for specified number of spindles as instructed by your superior		5	1	3	1
	PC10. ensure proper material handling of empty cops and full cops		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC11. ensure minimum time is taken for carrying out doffing activity		3	1	1	1
	PC12. cover the doffed ring cops if needed		4	1	2	1
	PC13. ensure cleanliness at work place		3	1	1	1
	PC14. ensure all the full cops are replaced with empty cops		4	1	2	1
	PC15. ensure gaiting is done for all the spindles in a proper manner		4	1	2	1
	PC16. ensure all the full cops are placed in the cop trolley		5	1	2	2
	PC17. ensure the doffing is completed out in a proper manner		4	1	2	1
	PC18. support the tenter by bringing roving bobbin for filling, filling activities and piecing in the event of a count change		5	2	2	1
	PC19. support the tenter in changing traveller as instructed by superiors during count change		4	1	2	1
	PC20. ensuring the machine is ready to start		5	2	2	1
	PC21. start the machine		4	1	2	1
	PC22. ensure the lappet rail are lowered to its position properly		5	2	2	1
	PC23. do gaiting with the same running yarn		4	1	2	1
	PC24. ensure proper functioning of machine		4	1	1	2
	PC25. report to the supervisor / maintenance team if the machine is not functioning properly		4	1	2	1
	PC26. Ensure to restart the overhead blower along with the machine		3	1	1	1
	PC27. ensure proper transportation of filled cop trolleys		3	1	1	1
	PC28. ensure that the empty cop is kept clean and arranged in a proper manner		4	1	2	1
	PC29. clean the defective cops in the respective shift and ensure that yarn remnants are removed		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC30. segregate the roving waste and yarn waste count wise and store in their respective waste bins		4	1	2	1
	PC31. weigh the different types of waste collected and maintain record in a register, if needed		4	1	2	1
	PC32. support the tenter in carrying out tenting activities as and whenever instructed by the supervisor		4	1	2	1
	PC33. support the maintenance team while machine is under maintenance		4	1	2	1
	PC34. Carry out activities assigned by the supervisor from time to time		4	1	2	1
	PC35. take part in doffs wherever necessary as instructed by the supervisor		4	1	2	1
	PC36. transport the empty bobbins to the speed frame department storage area after count change		4	1	2	1
	PC37. ensure cleanliness at work place		4	1	2	1
	Total		150	41	71	38
	Weightage %			27	47	26
4. TSC/N 0208 (Responsibilities while working in auto doffer ring frame)	PC1. ensure there is no empties or full cop under the doffing unit	75	4	1	2	1
	PC2. ensure empty ring tubes are ready in all c channel peg tray before the machine reaches the doff length		4	1	2	1
	PC3. ensure there is no empties or full cops found under the doffing unit to avoid any stuck up		3	1	1	1
	PC4. Ensure empty ring tubes are loaded fully in the tube loader reserve box before doffing is started.		4	1	2	1
	PC5. ensure doffing persons reach the machine for gaiting work before starting the doffing activity		4	1	2	1
	PC6. Ensure doff trolleys are kept in the off-end in the specified position.		3	1	1	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC7. Ensure that doffing process is functioning properly without any malfunction.		4	1	2	1
	PC8. ensure after doffing gaiting to be done properly and timely		5	2	2	1
	PC9. Ensure that all the full cops are removed from the spindles and empties are loaded in spindles during doffing to avoid yarn wound on empty spindle.		4	1	2	1
	PC10. Ensure that all the grippers in the doffing unit are available in position without missing during doffing.		5	2	2	1
	PC11. Ensure that there is no air leakage in the grippers.		4	1	2	1
	PC12. ensure the wastes collected from different parts of machine are deposited in the respective dustbins		3	1	1	1
	PC13. ensure the ring frame department is neat and clean		3	1	1	1
	PC14. verify the proper build of the ring cop		4	1	2	1
	PC15. record the production details in the production report		4	1	2	1
	PC16. report to the supervisor in case of emergency stoppage of machine		4	1	1	2
	PC17. support the tenter and maintenance team for carrying out cleaning activities, on need basis		5	1	2	2
	PC18. support the maintenance team while machine is under maintenance		4	1	2	1
	PC19. ensure all details related to production are provided to the next shift doffer while relieving		4	1	1	2
	Total		75	21	32	22
	Weightage %			28	43	29
5.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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	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
	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
6.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		5	2	1	2
	PC7. submit daily report of own performance		5	2	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	PC8. adjust in different work situations		4	1	2	1
	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	18	17	15
	Weightage %			36	34	30
7.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 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

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
	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, personal, ergonomic, chemical) of the industry		4	2	1	1
	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
	Total		100	43	34	23
	Weightage %			43	34	23
8.TSC/N9004 (Comply with industry and	PC1. perform own duties effectively	50	4	1	2	1
	PC2. take responsibility for own actions		4	1	2	1

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
organizational requirement)	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
	Total		50	18	19	13
	Weightage %			36	38	26
9. 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		700	229	296	175



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