



Model Curriculum

QP Name: Finished Package Checker-cum-Packer – Spinning
Option: Yarn Conditioning

QP Code: TSC/Q0306

QP Version: 2.0

NSQF Level: 3

Model Curriculum Version: 1.0

Textile Sector Skill Council || Textile Sector Skill Council (TSC) 14H, 14th Floor, Hansalaya Building, 15,
Barakhamba Road, New Delhi - 110 001
Office: +91-11-43536355-7

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Training Parameters

Sector	Textile
Sub-Sector	Spinning - Textiles
Occupation	Post Spinning Operations
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/8151.9900
Minimum Educational Qualification and Experience	<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
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	25.11.2021
Next Review Date	25.11.2024
NSQC Approval Date	
QP Version	2.0
Model Curriculum Creation Date	25.11.2021
Model Curriculum Valid Up to Date	25.11.2024
Model Curriculum Version	1.0
Minimum Duration of the Course	390 hours
Maximum Duration of the Course	390 hours

Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner will be able to:

- Taking charge and handing over shift to the shift supervisor in the packing department.
- Inspect finished yarn package for surface defects.
- Perform packing of yarn as per standard requirement.
- Operate the yarn conditioning plant.
- Maintain work area, tools, and machines as per guidelines.
- Follow greening and energy conservation activities as per guidelines.
- Describe the importance of health, safety and security at workplace.
- Communicate and work effectively in a team.
- Comply with organizational and industry standards.

Compulsory Modules

The table lists the modules, their duration and mode of delivery.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration (HH:MM)
TSC/N0320: Carryout shift change, package checking, packing and other responsibilities in Packing department Version 1.0 NSQF Level - 3	60:00	150:00	60:00	-	270:00
Module 1: Taking charge and handing over of shift in packing department - Spinning	08:00	13:00	-	-	21:00
Module 2: Checking the finished cone packages	22:00	54:00	15:00	-	91:00
Module 3: Carryout preparation activities for cone packing	06:00	18:00	15:00	-	39:00

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration (HH:MM)
Module 4: Packing of finished packages using carton box, hessian bag and pallet	20:00	55:00	15:00	-	90:00
Module 5: Perform other responsibilities in packing department	04:00	10:00	15:00	-	29:00
TSC/N9015: Follow machine, safety & organizational guidelines in Textile sector Version 1.0 NSQF Level - 4	25:00	50:00	-	-	75:00
Module 6: Maintaining the work area, tools and machines	02:00	08:00	-	-	10:00
Module 7: Greening and energy conservation in textile sector	02:00	08:00	-	-	10:00
Module 8: Health, Safety and Emergency response at workplace	15:00	20:00	-	-	35:00
Module 9: Organizational standards and Policies	06:00	14:00	-	-	20:00
TSC/N9016: Follow teamwork, adaptability and communication guidelines in Textile sector Version 1.0 NSQF Level - 4	05:00	10:00	-	-	15:00
Module 10: Teamwork, trust and communication	03:00	07:00	-	-	10:00
Module 11: Adaptability	02:00	03:00	-	-	05:00
DGT/VSQ/N0101 – Employability Skills Version 1.0 NSQF Level – 3	12:00	18:00	-	-	30:00
Module 15: Employability Skills	12:00	18:00	-	-	30:00
Total Duration	102:00	228:00	60:00	-	390:00

Optional Modules

The table lists the optional modules, their duration and mode of delivery.

Option 1: Yarn Conditioning

NOS and Module Details	Theory Duration (HH:MM)	Practical Duration (HH:MM)	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration (HH:MM)
TSC/N0321: Carryout batch loading and unloading and other responsibilities in Yarn Conditioning department Version 1.0 NSQF Level - 3	15:00	45:00			60:00
Module 13: Operating the Yarn Conditioning Plant (YCP)	15:00	45:00			60:00
Total Duration	15:00	45:00			60:00

Module Details

Module 1: Taking charge and handing over of shift in packing department - Spinning Mapped to TSC/N0320, v1.0

Terminal Outcomes:

- Demonstrate the process of taking charge and handing over of shift in yarn packaging department.
- Discuss the protocols to be followed while taking charge and handing over of shift in yarn packaging department.
- Discuss the reporting formats to be submitted at shift handover in yarn packaging.
- Discuss the quality requirements of packing the finished yarn package.

Duration: 08:00	Duration: 13:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the importance of attending shift 10-15 minutes before the scheduled time. • Classify the operational tools required for yarn package checking and packing operation. • Describe the process of shift handover and shift takeover. • Discuss the reporting formats for recording details of production, log, packing materials stock, etc. • Describe shift checklist, shift log report, and its significance. • Discuss the quality requirements of packing materials, equipment such as packing fixer, strapping machine, weigh scale, pallet wrapper, trolley, HDPE sack, twine, needle, strap, carton box, carton pads, PE covers, disk, packing slip, cone label, etc. • Read a shift handover log report to understand the work to be done. • Discuss the need for exchanging production information with during shift change. • Discuss protocol and formats for reporting any abnormalities. • Discuss the need for following the colour code in the finished yarn packing department. • Explain the significance of quality parameters in packaging of finished yarn. • Explain the importance of waste collection and disposal as per the standard method. • Discuss the objectives of skill development programs. • Discuss the contribution of Indian 	<ul style="list-style-type: none"> • Demonstrate the process of shift changeover in a yarn packaging department. • Prepare a sample production log report for a shift in the yarn packaging department of a spinning mill. • Demonstrate the process of taking supply and production stock of finished yarn packages in spinning mill. • Demonstrate the process of inspecting the condition of raw materials and tools at the production area and report the deviation as per standard protocol. • Demonstrate the method of collecting shift details from the previous shift operator by following SOP. • Demonstrate end of the shift activities like cleaning, disposal of waste, etc. • Write a report for informing supervisor of the anomalies observed during taking charge of the shift. • Identify defective tools and accessories from the given inventory. • Demonstrate calibration of weighing scale. • Choose different kinds of yarn packing such as hessian bag, pallet and carton box based on the order requirement. • Illustrate the process flow in a typical spinning process.

<p>textile and spinning sector to the country's economy.</p> <ul style="list-style-type: none"> • Describe the basics of staple yarn spinning i.e., process flow, types of machines involved, material flow, types of fibres used, type of yarn produced, terms and definitions of count, production, colour code, etc. • Define hierarchy organisation and list out the order of department and people involved in the hierarchy line in a spinning mill. • Describe the roles and responsibilities of "Finished package checker-cum-packer". • List out the rules and regulations followed in a spinning mill like shift timing and duration, limits of leave and holidays, etc. 	
Classroom Aids:	
Charts, Posters, Projector, Black Board, sign board, a batch of 25 people seating capacity with a screen	
Tools, Equipment and Other Requirements	
Samples of fibres, yarns, intermediate and finished packages, process flow chart from blow room to finishing department, sample tools and accessories used for packing, etc. seating arrangement for 25, sign boards, sample logbooks and formats	

Module 2: Checking the finished cone packages

Mapped to TSC/N0320, v1.0

Terminal Outcomes:

- Demonstrate the steps involved in checking the finished cone packages.
- Discuss the impacts of finished yarn package defects.

Duration: 22:00	Duration: 54:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the need for finished yarn package inspection. • Classify the different types of finished package defects and brief the methods of identification. • Discuss the count numbering and colour coding system followed in packing department. • Discuss the SOP for checking the package physical defects. • Explain the limits of responsibility of checker-cum-packer during lot inspection. • Classify the type of tools and equipment used to inspect the finished packages. • Discuss the importance of checking package with UV light. • Explain the terms of package density, package net weight, gross weight and weight tolerance limit and their standard level. • Explain the guidelines for maintaining non-conforming packages such as defective or rejected packages, weight varied packages, count mixed packages, etc. 	<ul style="list-style-type: none"> • Demonstrate the steps involved in identifying different yarn package defects. • Demonstrate the method of mending the defective packages as per the SOP. • Demonstrate the method of transporting the finished cone packages from the storage area to the inspection table using the trolley. • Demonstrate the method of checking packages under UV lights as per the standard guidelines. • Demonstrate the steps involved in checking individual package weight, segregating and storing as per the provided data sheet. • Demonstrate the steps involved in preparation of description label, verification sticker and report for inspected yarn packages.
Classroom Aids:	
Charts, Posters, Projector, Black Board, a batch of 25 people seating capacity with a screen	
Tools, Equipment and Other Requirements	
Samples of good and defective packages, inspection table, peg trolley, dressing tools, cleaning brush	

Module 3: Carryout preparation activities for cone packing

Mapped to TSC/N0320, v1.0

Terminal Outcomes:

- Discuss the need for preparation activities prior to yarn packing operation.
- Demonstrate the steps involved in yarn packing preparation activities.

Duration: 06:00	Duration: 18:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the different types of packing methods and their specifications such as packing material type, package weight, number of packages, etc. • Classify the available types of packing materials i.e., hessian bag, cartons, polyethylene wrappers, twine, strap, etc. • Classify the available types of packing tools and equipment such as packing fixer, needle, strapping machine, trolley, pallet packing machine, etc. • Discuss the planning of area requirements for packing and stacking for easy access of transport, identification, etc. • Explain the objectives of wrapping polyethylene covers and fixing disk to packages. 	<ul style="list-style-type: none"> • Demonstrate the steps involved in procuring the packing materials from the store using standard procurement or requisition form. • Demonstrate steps involved in fixing bottom disk to packages and wrapping with polyethylene cover as specified. • Demonstrate the steps involved in checking condition of packing equipment, cleaning the packages, etc.
Classroom Aids:	
Charts, Posters, Projector, Black Board, a batch of 25 people seating capacity with a screen	
Tools, Equipment and Other Requirements	
Polythene cover, bottom disk, packing table, record book, posters for housekeeping methods and handling tools	

Module 4: Packing of finished yarn packages

Mapped to TSC/N0320, v1.0

Terminal Outcomes:

- Demonstrate the steps involved in packing the finished yarn packages using carton box, hessian bag and pallet.
- Discuss the requirements of quality in packing of finished yarn packages.

Duration: 20:00	Duration: 55:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process of carton box packing and distinguish its benefits with respect to other packaging methods. • Classify the packing materials required for carton box, hessian bag and pallet packing. • Discuss the different methods of arranging packages inside the boxes and bags. • Explain the SOP of operating strapping machine and box carrying trolley. • Describe the pallet construction with details such as package count, package weight, no. of packages per row, no. of rows per pallet, total no. of packages per pallet, total pallet gross and net weight, etc. • Explain the procedure for operating pallet packing machine, strapping tools, and hydraulic trolley. 	<ul style="list-style-type: none"> • Demonstrate the steps involved in packing the finished yarn packages using carton box, hessian bag and pallet. • Demonstrate the method of arranging packages inside carton box or bag as specified. • Demonstrate the steps involved in checking gross package weight and adjustment as per the allowed tolerances. • Demonstrate the steps involved in covering the carton box by strapping machine or by using hand tools. • Demonstrate the steps involved in closing the hessian bag by stitching machine or by using hand tools with handle. • Demonstrate the method of arranging cones as specified on pallet platform with respect to count, package weight, pallet size, etc. • Demonstrate the steps involved in pallet packing using packing machine. • Demonstrate the method of strapping the pallet with hand tools.
Classroom Aids:	
Charts, Posters, Projector, Black Board, a batch of 25 people seating capacity with a screen	
Tools, Equipment and Other Requirements	
Finished packages, packing table, carton boxes, carton pads, HDPE wrap bag, strap bundle, scissor, stamping tools, pen/pencil/marker, weighing balance, package trolley, bag/box carrying trolley, strapping machine, posters for packing methods and for handling tools	

Module 5: Perform other responsibilities in packing department

Mapped to TSC/N0320, v1.0

Terminal Outcomes:

- Demonstrate the steps involved in transporting the packages to godown using specified material handling tools.
- Discuss the need for segregating the waste generated in the finished yarn packing department.

Duration: 04:00	Duration: 10:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Classify the plastic and non-plastic waste generated in the packing department. • Discuss the need for checking the functioning of equipment such as UV light, weigh scale, packing fixer, inspection table, trolley, etc. at regular intervals. • Explain the importance of transporting the yarn packages as per protocol 	<ul style="list-style-type: none"> • Demonstrate the steps involved in transporting pallet using hydraulic trolley. • Demonstrate the method of stacking the hessian bag, carton box, pallet packages as per the instruction. • Demonstrate the method of inspecting the UV light, weigh scale, packing fixer, inspection table, trolley, etc. as per the provided checklist. • Demonstrate the method of segregating the paper waster and plastic waste as per the guidelines.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment and Other Requirements	
Packing records, check sheet for daily housekeeping and maintenance, samples of all types of packing waste, broom, brush, etc., material handling and transportation tools for yarn packages.	

Module 6: Maintaining the work area, tools and machines

Mapped to TSC/N9015, v1.0

Terminal Outcomes:

- Demonstrate the method of maintaining the work area, tools, and machines in the finished yarn packing department.
- Explain the objective of tools, PPE used in the finished yarn packing department.

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Differentiate various types of tools used for cleaning and maintenance. • Explain the objectives of each maintenance and cleaning tool used in the operation of finished yarn packing. • Discuss the significance of safe handling procedures of tools and equipment. • State the importance and decipher written instructions on the job card for the allocated machines. • Discuss the significance of minimizing the wastage of material, effort, and time. • Prepare a draft schedule for cleaning and waste collection for the assigned job role. • Classify the available types of Material handling equipment and handling methods used in the weaving department. • Discuss the types and importance of PPE used in the finished yarn packing department. 	<ul style="list-style-type: none"> • Demonstrate the method of handling procedures of raw materials, tools, PPE, and machines. • Choose the appropriate tools and equipment for finished yarn packing. • Demonstrate the process of cleaning and maintain the allotted tools and accessories. • Demonstrate the process of collecting and storing the worn-out parts.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
Samples of fibres, yarns, intermediate and finished packages, process flow chart from blow room to finishing department, sample tools and accessories used for packing, etc. seating arrangement for 25, sign boards, sample logbooks and formats	

Module 7: Greening and energy conservation in the textile sector

Mapped to TSC/N9015, v1.0

Terminal Outcomes:

- Demonstrate the process of identifying the recyclable, non-recyclable, and hazardous wastes in the finished yarn packing department.
- Discuss the methods to optimize usage of material and resources at the workplace.

Duration: 02:00	Duration: 08:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the terms of pollution control, soil conservation, waste management, recycle, forest conservation, global warming, organic products, etc. • List the different sources of energy. • Discuss the impact of using non-biodegradable materials on the environment. • Evaluate the different ways to conserve energy in a textile factory. • Discuss the significance of conserving the environment and energy resources. • Discuss the significance of specified usage of resources at the work area. 	<ul style="list-style-type: none"> • Demonstrate the method of segregating recyclable, non-recyclable, hazardous wastes in the finished yarn packing department. • Demonstrate the method of handling and storage of waste materials. • Demonstrate the method of switching of the prescribed machine and light switches in the finished yarn packing department.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
Samples of fibres, yarns, intermediate and finished packages, process flow chart from blow room to finishing department, sample tools and accessories used for packing, etc. seating arrangement for 25, sign boards, sample logbooks and formats	

Module 8: Health, safety, and response to emergencies at the workplace

Mapped to TSC/N9015, v1.0

Terminal Outcomes:

- Demonstrate the method of performing first aid at the workplace.
- Demonstrate the method of following fire safety protocol in the finished yarn packing department.
- Demonstrate the method of recognizing various hazardous materials in the finished yarn packing department.

Duration: 15:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the significance of safe handling procedures of tools and equipment. • Discuss the importance and standard procedure for responding to emergencies. • Discuss the importance and standard procedure for housekeeping and material handling. • Discuss the impacts and hazards of unsafe workplace conditions and procedures in the textile industry (operational, environmental, personal, ergonomic, chemical, electric, fire) and methods to avoid hazards. • Distinguish between the various types of fire extinguishers. • Distinguish different types of alarms and their significance. • Identify the items available in the First aid box. • Discuss the significance of correct work posture and importance of ergonomics for the assigned job role. • Classify Personal Protective Equipment (PPEs) like body protectors, earplugs, nose masks, head caps, etc. as per guidelines. • Discuss the requirements for prescribed lighting at the finished yarn packing department. 	<ul style="list-style-type: none"> • Classify abnormal sounds emanating from faulty and worn-out machine parts. • Demonstrate the process of handling of fire extinguishers. • Locate emergency exits of workplace and organization. • Demonstrate the method of fire drills and evacuation activities at the workplace. • Demonstrate the method of first aid procedures for injury or accidents in mock situations. • Demonstrate lifting of heavyweight materials as per the standard procedure.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
Samples of fibres, yarns, intermediate and finished packages, process flow chart from blow room to finishing department, sample tools and accessories used for packing, etc. seating arrangement for 25, sign boards, sample logbooks and formats	

Module 9: Organizational standards and policies

Mapped to TSC/N9015, v1.0

Terminal Outcomes:

- Discuss the significance of organization policies, quality standards, rules, and regulations in textile industries.
- Discuss the requirements of maintaining hygienic working atmosphere as per the protocol of the textile sector.

Duration: 06:00	Duration: 14:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the significance of following organizational standard procedures, quality standards, rules, codes, policies, and safety standards for the textile sector. • Discuss the need for organizational quality systems, 5S, ISO, SA, etc. following in the textile sector. • Brief the importance of following workwear standards, behavioural protocols, and etiquette in the textile sector. • Discuss the contents of the organization's formats and procedures for reporting production, defects, faults, material or tool requisition, and quality parameters and tasks completed for the assigned job. • Describe the do's and don'ts for maintaining equality among co-workers based on gender, caste, financial status, colour, race, PwD, etc. 	<ul style="list-style-type: none"> • Demonstrate the process of practicing the systems like quality circles, 5S, ISO, etc. in the routine work. • Demonstrate the steps to maintain a hygienic workplace. • Demonstrate methods of registering complaints about discrimination based on gender, caste, financial status, colour, race, PwD, etc. • Write a lost & found report.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
list of rules and regulations followed in the organization, list of industry standards i.e., performance indicators of mills, process, worker, etc, reporting procedures and formats, standard operating procedures, quality standards, rules, codes, policies, safety standards, seating arrangement for 25 people.	

Module 10: Teamwork, trust and communication

Mapped to TSC/N9016, v1.0

Terminal Outcomes:

- Discuss the requirements of following standard guidelines while working with the team.
- Demonstrate the method of communication with others at the workplace.

Duration: 03:00	Duration: 07:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the importance of teamwork and following industry protocols at the workplace. • Explain the limits and responsibilities for the assigned duties in the textile sector. • Summarize emergency contact numbers, details of officials, reporting Protocols, and formats. • List hierarchy of communication and communication etiquettes in the textile sector. 	<ul style="list-style-type: none"> • Demonstrate the method of executing allotted task with the teammates. • Illustrate the use of appropriate verbal and non-verbal communication skills while interacting with others at the workplace. • Demonstrate the process for reporting lost and found articles.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
Video visuals of basic communications and team working, models of communicating, and the team at the assigned job, seating arrangement for 25 people.	

Module 11: Adaptability

Mapped to TSC/N9016, v1.0

Terminal Outcomes:

- Discuss the different hierarchy levels in the industry.
- Demonstrate the process of creating a work plan for the allotted task.

Duration: 02:00	Duration: 03:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the significance of adaptability at the workplace with various levels of people. • State the importance of developing adaptability skills. • Explain the impacts of inadaptability at the workplace. 	<ul style="list-style-type: none"> • Demonstrate the ability to work in a dynamic work environment by developing coping mechanisms, survival tactics, and traits of flexibility. • Demonstrate the preparation of the sample backup work plan for the shortage of manpower, raw materials, etc.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment, and Other Requirements	
Video visuals of adaptability with suitable examples, seating arrangement for 25 people.	

Module 12: Employability Skills

Mapped to DGT/VSQ/N0101, v1.0

Duration: 12:00	Duration: 18:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<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. Discuss 21st century skills. Use appropriate basic English sentences/phrases while speaking 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 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. Discuss the significance of dressing up neatly and maintaining hygiene for an interview Discuss how to search and register for apprenticeship opportunities. 	<ul style="list-style-type: none"> Show how to practice different environmentally sustainable practices Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations. Demonstrate how to communicate in a well-mannered way with others. Demonstrate working with others in a team Show how to operate digital devices and use the associated applications and features, safely and securely Create a biodata Use various sources to search and apply for jobs
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment and Other Requirements	
Class room requirements: 25 people seating capacity with a screen and projector	

Module 13: Operating the Yarn Conditioning Plant (YCP)

Mapped to TSC/N0321, v1.0

Terminal Outcomes:

- Demonstrate the steps involved in loading and unloading the yarn packages and operating the yarn conditioning plant (YCP).
- Discuss the objectives of using yarn conditioning plant in yarn spinning.

Duration: 15:00	Duration: 45:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the functions of various parts of the YCP. • Discuss the significance of signal lights used in YCP. • Explain the technical details of the yarn conditioning plant such as loading capacity, production per day, heating type, water requirement, etc. • Describe the standard levels of temperature, steam, and pressure at YCP. • Explain the terms conditioning duration, temperature, relative humidity, moisture content, steam level, pressure level, etc. • Discuss the testing methods of yarn conditioning quality. • Discuss the typical faults of YCP and methods to rectify them. • Discuss the cleaning and maintenance schedules of YCP. 	<ul style="list-style-type: none"> • Demonstrate the steps involved in starting and stopping of YCP. • Demonstrate the method of operating the YCP display panel to feed the conditioning parameters. • Demonstrate the steps involved in opening and closing of YCP lid. • Demonstrate the method of identification of the malfunctions of YCP using machine display panel. • Demonstrate method of loading and unloading of packages at YCP trolley. • Demonstrate the method of inspecting a sample of conditioned package for quality • Demonstrate the steps involved in recording batch details in record book in the specified format. • Demonstrate the method of monitoring the yarn conditioning plant parameters such as water quantity, temperature, steam, pressure requirements, etc. • Demonstrate the activities involved in supporting the maintenance team during scheduled cleaning and maintenance activities.
Classroom Aids:	
Charts, Posters, Projector, Blackboard.	
Tools, Equipment and Other Requirements	
Yarn Conditioning Plant, Operational tools, Full cone packages, batch loading trolley.	

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Able to read and write	5 th Class (Self declaration)	1	Spinning Production	4	Spinning Production	

Trainer Certification	
Domain Certification	Platform Certification
TSC/Q0306, v1.0 - Finished Package Checker-cum-packer – Spinning, Minimum pass percentage 80 per cent	MEP/Q2601, v1.0 – Trainer, Minimum pass percentage 80 per cent

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Diploma	Textiles	3	Spinning Production			

Assessor Certification	
Domain Certification	Platform Certification
TSC/Q0306, v1.0 - Finished Package Checker-cum-packer – Spinning, Minimum pass percentage 80 per cent	MEP/Q2701, v1.0 – Assessor, Minimum pass percentage 80 per cent

Assessment Strategy

The overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.

- a) The emphasis is on 'learn-by-doing' and practical demonstration of skills and knowledge based on the performance criteria.
- b) The assessments papers are developed by Subject Matter Experts (SME) available with the Assessment Agency as per the performances and assessment criteria mentioned in the Qualification Packs.
- c) The assessments papers are also checked for the various outcome-based parameters such as quality, time taken, tools & equipment requirement, etc.
- d) The assessments are designed so as to assess maximum parts during the practical hands-on work. Duties and responsibility of Finished package checker-cum-packer also assessed. The technical limitations at the training centres are taken care in theory and viva.
- e) The assessment agencies are instructed to hire qualified and experienced assessors as per TSC's criteria who have integrity, reliability and fairness. Each assessor shall sign a document with its assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest, independence from commercial and other interests that would compromise impartiality of the assessments.
- f) The assessment agencies are instructed to ideally have assessors with the right mix of industry experience, academia and these are detailed in Assessment Agency Protocol of TSC
- g) The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to Assessment Framework, competency-based assessments, assessors guide etc., and they are assessed for Domain and assessment skills. Only those assessors who clears both the assessments with minimum 80% marks in each are permitted to carry out assessments.
- h) The assessors are provided with Assessor's guide developed by the Subject Matter Expert of the Assessment Agency or by Textile SSC as per Assessment Framework. The Assessors guides are developed to ensure the maximum possible consistency/transparency in the assessment by different assessors and elaborate on the following:
 1. Qualification Pack Structure.
 2. Guidance for the assessors to conduct theory, practical and viva assessments.
 3. Guidance for trainees to be given by assessor before the start of the assessments.
 4. Guidance on assessment process, practical brief with steps of operations, practical observation checklist, attendance sheet and mark sheet.
 5. Viva guidance for uniformity and consistency across the batch.
 6. Guidance on assessment evidence collection.

The assessment results are backed by evidence collected by assessors.

1. The assessors need to collect a copy of the attendance sheets for the training done under the scheme. The attendance sheets are signed and stamped by the in charge/ Head of the training centre.
2. The assessors need to verify the authenticity of the candidate by checking the photo ID card issued by the institute as well as any one Photo ID card issued by the Central/Government. The same needs to be mentioned in the attendance sheet. In case of suspicion, the assessor should authenticate and cross verify trainee's credential in the enrolment form.
3. The assessors need to take a camera to click photograph of the trainees working on the job and giving theory exam as evidence.
4. The assessors also need to carry a Photo ID card.
5. The assessors also need to take the photographs as evidence from appropriate angles/sides of the final work piece/job submitted by the trainee.
6. The details on assessment framework are elaborated in Textile SSC protocol for accreditation of Assessment Agencies and Assessment Framework.

All accredited Assessment Agencies follow the "Textile SSC's protocol for accreditation of Assessment Agencies and Assessment Framework". Each NOS in the Qualification Pack (QP) will be assigned a relative weightage for assessment based on the criticality of the NOS. Therein each Performances Criteria in the NOS will be assigned marks for theory or practical based on relative importance, criticality of function and training infrastructure.

References

Glossary

Term	Description
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application).
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon the completion of the training.
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome.

Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
SOP	Standard Operating Procedure
PPE	Personal Protective Equipment
ISO	International Organization for Standardization
SA	Standards on Auditing
PPE	Personal Protective Equipment
HDPE	High-Density Poly Ethylene
HOD	Head of Department
PE	Poly Ethylene
UV	Ultra Violet
RH	Relative Humidity
YCP	Yarn Conditioning Plant