

QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR TEXTILE SECTOR

**What are**

**Occupational**

**Standards(OS)?**

* OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
* OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

Contact Us:

Textile SSC

E-mail: ceo@texskill.in

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**Sector: TEXTILE**

**SUB-SECTOR: WEAVING**

**OCCUPATION: WEAVING**

**REFERENCE ID: TSC/Q 2206**

**ALIGNED TO: NCO-2004 /**

**Brief Job Description:** A Winder Pirn Winding Machine Operator, is a job-role in a weaving department. The responsibility of Winder – Automatic Pirn Winding Machine is to run the wining machine efficiently so as to get maximum output with minimum defects giving due importance to safety and environment aspects.

**Personal Attributes:** A Winder -Automatic Pirn Winding Machine should have good eyesight, eye-hand coordination, motor skills and vision (including near vision, distance vision, colour vision, peripheral vision, depth perception and ability to change focus).

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**Introduction**

**Qualifications Pack – Pirn Winding Machine Operator**

**Sector: Information technology- INFORMATION TECHNOLOGY enabled SERVICES (IT-ITeS)ces Helpdesk Attendant**

Contents

1. [Introduction and Contacts..….……….……..….P.1](#contact)
2. [Qualifications Pack……….………………............P.2](#QP)
3. [Glossary of Key Terms…….……..……….……...P.3](#Glossary)
4. [NOS Units…………………………………………………P.5](#OS)

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| Job Details | **Qualifications Pack Code** | **TSC/Q 2206** | | |
| **Job Role** | **Pirn Winding Machine Operator** | | |
| **Credits (NSQF)** | **TBD** | **Version number** | **1.0** |
| **Sector** | **Textile** | **Drafted on** | **15/12/14** |
| **Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

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| **Job Role** | **Operating Auto Pirn Windng Machine** |
| **Role Description** | To run Automatic pirn winding machine so as to get maximum output with minimum defects, giving due importance to safety & environmental aspects. |
| **NSQF level**  **Minimum Educational Qualifications**  **Maximum Educational Qualifications** | 4 |
| Preferably Class 10th  NA |
| **Training**  (Suggested but not mandatory) | Preferably training in weaving department. |
| **Experience** | Not essential |
| **National Occupational Standards (NOS)** | **Compulsory:**   1. TSC/N2211 Taking charge of shift and handing over shift to operator 2. TSC/N2212 Operating Auto Pirn Winding Machine 3. TSC/N9001 Working in a team 4. TSC/N9002 Maintain work area, tools and machines. 5. TSC/N9003 Maintain health, safety and security at work place. 6. TSC/N9004 Comply with industry and organisational requirements.     **Optional:**  Not Applicable |
| **Performance Criteria** | As described in the relevant OS units |

# Glossary of Key Terms

**Table 1: Glossary of Key Terms**

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| Definitions | **Keywords /Terms** | **Description** |
| Sector | Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined asa distinct subset of the economy whose components share similar characteristics and interests. |
| Sub-sector | Sub-sector is derived from a further breakdown based on the characteristics and interests of its components. |
| Vertical | Vertical may exist within a sub-sector representing different domain areas  or the client industries served by the industry. |
| Occupation | Occupation is a set of job roles, which perform similar/related set of functions in an industry. |
| Function | Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS. |
| Sub-functions | Sub-functions are sub-activities essential to fulfill the achieving the objectives of the function. |
| Job role | Job role defines a unique set of functions that together form a unique employment opportunity in an organization. |
| Occupational Standards (OS) | OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. |
| Performance Criteria | Performance Criteria are statements that together specify the standard of performance required when carrying out a task. |
| National Occupational Standards (NOS) | NOS are Occupational Standards which apply uniquely in the Indian context. |
| Qualifications Pack Code | Qualifications Pack Code is a unique reference code that identifies a qualifications pack. |
| Qualifications Pack(QP) | Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code. |
| Unit Code | Unit Code is a unique identifier for an OS unit, which can be denoted with either an ‘**O**’ or an ‘**N**’. |
| Unit Title | Unit Title gives a clear overall statement about what the incumbent should be able to do. |
| Description | Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for. |
| Scope | Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of performance required. |
| Knowledge and Understanding | Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard. |
| Organizational Context | Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility. |
| Technical Knowledge | Technical Knowledge is the specific knowledge  needed to accomplish specific designated responsibilities. |
| Core Skills/Generic Skills | Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS , these include communication related skills that are applicable to most job roles. |
| Helpdesk | Helpdesk is an entity to which the customers will report their IT problems. IT Service Helpdesk Attendant is responsible for managing the helpdesk. |
| **Acronyms** | **Keywords /Terms** | **Description** |
| SSC | Sector Skill Council |
| OS | Occupational Standard(s) |
| NOS | National Occupational Standard(s) |
| QP | Qualifications Pack |
| NSQF | National Skill Qualification Framework |
| NCO | National Classification of Occupations |
| TBD | To Be Determined |
| TSC | Textile Sector Skill Council |
| NSDC | National Skill Development Corporation |

**National Occupational Standard**

**Overview**

**This unit is about taking charge of shift from previous shift operator and relieving the responsibilities to the next shift operator**

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| **Unit Code** | **TSC/N2211** |
| **Unit Title**  National Occupational Standard  **(Task)** | Taking charge of shift and handing over shift to operator |
| **Description** | This unit is about taking charge of shift from previous shift operator and relieving the responsibilities to the next shift operator |
| Scope | **This unit/task covers the following:**   * To take charge of shift from previous shift operator * To hand over the shift to next shift operator |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Take charge of the shift | To be a competent , you must be able to:   1. come atleast 10 - 15 minutes earlier to the work spot 2. meet the previous shift winder & 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. 3. check for the running condition of the pirn winding spindles 4. check the running material & the count in the running spindles 5. check the weft stock & the quality of the weft stock , to ensure whether the said stock is 6. enough to run the machines throughout the shift. 7. check for the empty pirns on the magazines 8. check whether all the empty bobbins/ pirns are collected from the empty pirn box & also to ensure that the bunch waste in the said empty pirns are completely stripped 9. check the cleanliness of the machines & other work areas 10. check whether any spare/raw material/ tool / fabric/ any other material is thrown under the machines or in the other work areas. 11. question the previous shift winder 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. |
| Handing over the Shift | 1. hand over the shift to the incoming winder in a proper manner & get clearance from the incoming counterpart before leaving the work spot 2. report to his/ her shift superiors as well as that of the incoming shift, in case his/ her counterpart doesn't come for work , for the incoming shift. in that case, the shift has to be properly handed over to the incoming shift superior & get clearance from him/ her, before leaving the work spot 3. 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 |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | The individual on the job needs to know and understand:   1. the organization's policies & procedures and its process 2. should have an awareness, knowledge of customers 3. potential hazards associated with the machines and the safety precautions must be taken 4. protocol to obtain more information on work related tasks 5. contact person in case of queries on procedure or products and for revolving issues related to defective machines, tools, materials & equipments 6. details of the various job rolls & responsibilities 7. documentation and reporting formats 8. work targets & review machine with superiors 9. protocol and format for reporting work related risks/ problems 10. method of obtaining /giving feed back with respect to performance 11. importance of team work .harmonious working relationships 12. process for offering /obtaining work related assistance 13. responsibilities under health, safety and environmental legislation 14. guidelines for storage & disposal of waste materials |
| 1. **Technical/Domain Knowledge of product** | 1. minimum quality requirements of the product with respect to permissible/non-permissible defects |
| About the Raw materials | 1. yarns from natural fibres - cotton, silk, wool 2. yarns from man made fibres - polyester, nylon, viscose 3. blended yarns - polyester cotton, polyester viscose |
| About different types of Pirn Winding Machines | 1. hand winding 2. power machine - conventional 3. power machine – automatic pirn winding machine |
| Safety Mechanism | 1. should know the safety mechanisms of the machines & should ensure that the same are in order 2. should know about the stop motions & should ensure that the same are in order 3. should know about the indication lamps & should ensure that the same are in order |
| Machine Operators | 1. should know about the functional operations of the machines, where he/she is working |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| You need to know and understand how to:   1. read and comprehend written instructions |
| **Participation** |
| On the job the individual should be able to:   1. read, write and communicate orally in simple language 2. plan and manage work routine based on instructions from supervisor 3. should willingly participate in the various programs/ meetings that will be conducted by the Superiors & put forth the suggestions in the interest of the Company 4. participate in the " Quality Circles" that will be formed by   the Superiors   1. should extend voluntary supports and adapt to the various procedures that   will be adopted by the Company with respect to compliances for the different certifications like " ISO 9001", " ISO 14001", SA 8001"   1. GOTS Certification " Fair Trade " etc. |
| 1. **Professional Skills** | **Weaver’s Knot** |
| On job the individual should be able to achieve the following skills :   1. should ensure that warp breaks/loom hour doesn’t exceed 3 2. should ensure that weft breaks/loom hour doesn’t exceed 2 3. should ensure that fabric rejection doesn’t exceed 2% 4. should ensure that the efficiency is maintained in excess of 85% 5. should ensure that the warp waste doesn’t exceed 1% 6. should ensure that the weft waste doesn’t exceed 2 % 7. to ensure the life of the shuttle in excess of 6 months 8. to ensure the life of wooden picking stick in excess of 6 months 9. one should put a minimum of 15 knots/ minute |
| 1. **Technical Skills** | **Battery Filling** |
| 1. should ensure that only bunch length of 2-3 mtrs is there 2. should be able to fill around 24 pirns in a battery in a maximum period of 2 minutes |
| **Attending to Warp/ Weft Break** |
| 1. one should attend battery filling with proper pick finding in 30 seconds 2. one should attend a single warp end through dropper, heald & reed dent in 45 to 60 seconds depending on the automation of the machines/ type of weave etc. |
| **Quality Evaluation** |
| 1. should be able to weave fabric free from " weaver oriented damages " such as " wrong drawing" , " wrong denting” " end out " " double end" etc. |

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| **NOS Code** | **TSC/N 2211** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

**NOS Version Control**

**National Occupational Standard**

**Overview**

# This unit provides performance criteria, knowledge & understanding and skills & abilities required to run an automatic pirn winding machine.

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| **Unit Code** | **TSC/N2212** |
| **Unit Title**  National Occupational Standard  **(Task)** | Operating Auto Pirn Winding Machine |
| **Description** | This unit provides performance criteria ,knowledge & understanding and skills & abilities required to run automatic pirn winding machine, by attending to thread breakages, so as to get maximum output & minimum defects, without entertaining any damage to the people , the machine etc., without wasting much of raw materials, spares, tools etc., & without spoiling the environmental aspects. |
| Scope | **This unit/task covers the following:**   * To run automatic pirn winding machine efficiently so as to get maximum output with minimum defects, giving due importance to safety & environmental aspects. |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Stripping of Empty Pirns | To be competent, you must be able to:   1. collect the empty pirns from the “ empty pirn boxes” kept on the looms to store the empty pirns falling after transfer of weft pirns effected through “ automatic weft replenishment “ 2. ensure that there is no excess weft yarn than the bunch waste, left in the said empty pirns. the same has to be intimated to the higher authority, so that the can be arrested on the looms. and the said empty pirns with excess weft yarns ( ¼ pirns & ½ pirns) have to be run on the looms itself, without giving room for high wastage of yarn. 3. see that the said empty pirns are left with 2- 3 mtrs of weft yarn ( bunch waste) , as otherwise, it illustrates that there was no bunch provided in the pirn winding. 4. hand- strip the bunch waste from the collected empty pirns 5. fill - the stripped empty pirns to be in the magazine on the pirn winding machine. |
| Running of Pirn Winding Machine | 1. ensure the spindle numbers are written against each spindle. 2. ensure proper identification of the “ material & the count” , to be run on each & every pirn winding spindle. either the same can be written on the corresponding spindles or boards with the said details can be hanged against the individual spindles 3. ensure that the full pirns after the pirn winding are dropped on the weft boxes kept below the respective pirn winding spindles. 4. ensure that the full pirns from one spindle after winding don’t fall on the box kept below the adjacent spindles 5. check the material & the count ,in the cones / cheeses from the bags/ boxes before the same are fixed on the cone/cheese holders on the machine against the respective spindles. 6. ensure whether the auto bunching mechanism on the respective spindles is working properly. 7. bring the weft yarn from the cones/ cheeses through the guides on the respective spindles . 8. ensure that the initial threading is with proper bunch length only 9. attend the weft breakage using “ knotters “ or by ensuring tiny hand knots. 10. bring any abnormal thread breakage, to the notice of higher authority. |
| Battery Filling | 1. take the produced weft pirns to the loom shed in different boxes depending on the material and the count., to ensure “ no weft mix-up” 2. store the said weft pirns on the pirn boxes kept on the respective looms. 3. use weft pirns kept on the boxes on the respective looms only, to fill the batteries on the corresponding looms. 4. pull about 2 mtrs of weft in the pirns in the right hand & hold around 4 - 5 pirns at a time in the left hand 5. press the pirn head of the pirns in space in the battery disc one by one and press the tips of the pirns in the aligned path of the pirn holders . 6. wind the pirn threads in the battery umbrella , anti clock |
| Other Work Practices | 1. wite following details on a board hanged/ kept in the winding department  * spindle number * material type ( cotton/ viscose/ polyester / p.c./ other etc) running on the respective spindle * material classification ( o. e/ ring sun karded/ ring spun combed/ ring spun compact/other etc. running on the respective spindle * count running on the respective spindle * the loom number against the respective spindle  1. ensure that stripping of empty pirns is done by hands only. and no knife to be used, as it will damage the empty pirns themselves 2. ensure that the empty pirns are in good condition in respect to both head & tip. 3. ensure that brass wrapper in the empty pirn is in good condition. whenever new empty pirns are engaged , to see that the brass portin is buffed properly using sand emery. 4. see that no broken empty pirn/ full pirn is there . accordingly, the same has to be brought to the notice of the higher authority while collecting empty pirns , from the looms . 5. clean the machine & the pirn winding area atleast twice in a shift , so that the same are kept neat& clean all the time. 6. collect the waste wound on the umbrella of the loom batteries at the end of the shift 7. weigh the battery waste & bunch waste separately and the same has to be recorded in the note kept for it 8. store the said waste separately in the places earmarked . 9. tie the " waist bag" & all the waste generated by the winders are collected in the said waist bag, which can be ultimately disposed in the places/ bins provided, at the end of the shift. 10. ensure that the correct weft yarn, as per the " loom card" only is used 11. additional wastage of raw materials. for any quality issue or defective cone etc., the same has to be brought to the notice of the superiors. 12. give preference to safety . should not enter the area, where he/ she is not allowed. should not do a job in which training has not being given 13. ensure that no raw material/ cloth/ spare/ tool / any other material is thrown under/ near the machines or in the other work areas. 14. check for the reasons for the frequent weft breaks . the reasons that could be corrected by himself/ herself should be corrected. 15. Report the same to the mechanics/ fitters/ superiors 16. write log book , for the following  * spindle problem for bunch or non functioning of spindle * spare breakage * other machine complaint * material complaint for poor performance or damage * pirn breakages ( loom wise) * pirn breakage in pirn winding |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | the individual on the job needs to know and understand:   1. the organization's policies & procedures and its process 2. should have an awareness, knowledge of customers 3. potential hazards associated with the machines and the safety precautions must be taken 4. protocol to obtain more information on work related tasks 5. contact person in case of queries on procedure or products and for revolving issues related to defective machines, tools, materials & equipments 6. details of the various job rolls & responsibilities 7. documentation and reporting formats 8. work targets & review machine with superiors 9. protocol and format for reporting work related risks/ problems 10. method of obtaining /giving feed back with respect to performance 11. importance of team work .harmonious working relationships 12. process for offering /obtaining work related assistance 13. responsibilities under health, safety and environmental legislation 14. guidelines for storage & disposal of waste materials |
| 1. **Technical/Domain Knowledge of product** | 1. minimum quality requirements of the product with respect to permissible/non-permissible defects |
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| Machine Operators | 1. should know about the functional operations of the machines, where he/she is working |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading skills** |
| You need to know and understand how to:   1. read and comprehend written instructions |
| **Participation** |
| On the job the individual should be able to:   1. read, write and communicate orally in simple language 2. plan and manage work routine based on instructions from supervisor 3. should willingly participate in the various programs/ meetings that will be conducted by the superiors & put forth the suggestions in the interest of the company 4. participate in the " quality circles" that will be formed by the superiors 5. should extend voluntary supports and adapt to the various procedures that will be adopted by the company with respect to compliances for the different certifications like " iso 9001", " iso 14001", sa 8001" 6. gots certification " fair trade " etc. |
| 1. **Professional Skills** | **Weaver’s knot** |
| On job the individual should be able to achieve the following skills :   1. ensure that warp breaks/loom hour doesn’t exceed 3 2. ensure that weft breaks/loom hour doesn’t exceed 2 3. ensure that fabric rejection doesn’t exceed 2% 4. ensure that the efficiency is maintained in excess of 85% 5. ensure that the warp waste doesn’t exceed 1% 6. ensure that the weft waste doesn’t exceed 2 % 7. to ensure the life of the shuttle in excess of 6 months 8. to ensure the life of wooden picking stick in excess of 6 months 9. one should put a minimum of 15 knots/ minute |
| **Battery Filling** |
| 1. ensure that only bunch length of 2-3 mtrs Is there 2. be able to fill around 24 pirns in a battery in a maximum period of 2 minutes |
| **Attending to Warp/ Weft Break** |
| 1. One should attend battery filling with proper pick finding in 30 seconds 2. One should attend a single warp end through dropper, Heald & reed dent in 45 to 60 seconds depending on the automation of the machines/ type of weave etc. |
| **Quality Evaluation** |
| 1. be able to weave fabric free from " Weaver oriented damages " such as " Wrong Drawing" , " Wrong Denting” " End Out " " Double End" etc. |
| 1. **Technical Skills** | You need to know and understand how to:   1. communicate effectively 2. apply leadership skills wherever required 3. take initiative at the right place 4. understand the requirement to be creative |

**NOS Version Control**

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| **NOS Code** | **TSC/ N2212** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

**National Occupational Standard**

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**Overview**

**This unit is about maintaining work areas and activities to ensure tools and machines are maintained as per norms.**

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| --- | --- |
| **Unit Code**  National Occupational Standard | **TSC/ N9001** |
| **Unit Title**  **(Task)** | Maintaining work area, tools and machines |
| **Description** | This unit provides performance criteria, knowledge & understanding and skills & abilities required to organise/ maintain work areas and activities to ensure tools and machines are maintained as per norms |
| Scope | **Proper maintaining of work area and activities** |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Maintain the work area, tools and machines | To be competent, you must be able to:   1. handle materials, machinery, equipment and tools with care and use them in the correct way 2. use correct lifting and handling procedures 3. use materials to minimize waste 4. maintain a clean and hazard free working area 5. maintain tools and equipment 6. carry out running maintenance within agreed schedules 7. carry out maintenance and/or cleaning within one’s responsibility 8. report unsafe equipment and other dangerous occurrences 9. ensure that the correct machine guards are in place 10. work in a comfortable position with the correct posture 11. use cleaning equipment and methods appropriate for the work to be carried out 12. dispose of waste safely in the designated location 13. store cleaning equipment safely after use 14. carry out cleaning according to schedules and limits of responsibility |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. personal hygiene and duty of care 2. safe working practices and organisational procedures 3. limits of your own responsibility 4. ways of resolving with problems within the work area 5. the production process and the specific work activities that relate to the whole process 6. the importance of effective communication with supervisors 7. the lines of communication, authority and reporting procedures 8. the organisation’s rules, codes and guidelines (including timekeeping) 9. the company’s quality standards 10. the importance of complying with written instructions 11. equipment operating procedures / supervisor’s instructions |
| 1. **Technical Knowledge** | You need to know and understand:   1. work instructions and specifications and interpret them accurately 2. relation between work role and the overall manufacturing process 3. hazards likely to be encountered when conducting routine maintenance 4. the importance of taking action when problems are identified 5. different ways of minimising waste 6. the importance of running maintenance and regular cleaning 7. effects of contamination on products i.e. machine oil, dirt, foreign materials 8. common faults with equipment and the method to rectify 9. maintenance procedures 10. different types of cleaning equipment and substances and their use 11. safe working practices for cleaning and the method of carrying them out |

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| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| You need to know and understand how to:   1. comprehend written instructions 2. read any application sent by other colleagues |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. Communicate effectively in local language 2. communicate with supervisor appropriately 3. talk to others to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. identify the real reason of problem faced 2. apply problem-solving approaches in different situations 3. refer anomalies to the supervisor 4. seek clarification on problems from others |
| **Attention to Detail** |
| You need to know and understand how to:   1. apply good attention to detail 2. check your work is complete and free from errors 3. make sure every kind of communication is error free |
| 1. **Technical Skills** | You need to know and understand :   1. communicate effectively 2. apply leadership skills wherever required 3. take initiative at the right place 4. understand the requirement to be creative |

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| **NOS Code** | **TSC/ N9001** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

**National Occupational Standard**

**Overview**

# This unit is about working as part of a team in the textile industry.

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| **Unit Code** | **TSC/ N9002** |
| **Unit Title**  National Occupational Standard  **(Task)** | Working in a team |
| **Description** | This unit is about working as a team member in the textile industry |
| Scope | This unit/task covers the following:   * commitment and trust * communication * adaptability * creative freedom |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Commitment and trust | To be competent, you must be able to:   1. be accountable to the own role in whole process 2. perform all roles with full responsibility 3. be effective and efficient at workplace |
| Communication | 1. properly communicate about company policies 2. report all problems faced during the process 3. talk politely with other team members and colleagues 4. submit daily report of own performance |
| Adaptability | 1. adjust in different work situations 2. give due importance to others’ point of view 3. avoid conflicting situations |
| Creative freedom | 1. develop new ideas for work procedures 2. improve upon the existing techniques to increase process efficiency |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** | You need to know and understand:   1. general rules and regulations in a textile mill 2. procedure followed to get the final output in the mill 3. safe working practices to be adopted in textile mill 4. reporting to the supervisor or higher authority about any grievances faced |
| 1. **Technical Knowledge** | 1. the importance of the previous and next step of the process 2. process flow in a textile mill and the concerned workers 3. material flow in a textile mill and the required person 4. functions of different parts of the machine 5. tools and equipments used 6. guidelines for operating the machine 7. safety procedures to be followed in the machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language 2. write daily work report 3. write grievance complaint application |
| **Reading Skills** |
| 1. comprehend written instructions 2. read any application sent by other colleagues |
| **Oral Communication (Listening and Speaking skills)** |
| 1. communicate with supervisor appropriately 2. talk to co-workers to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. identify the real reason of problem faced 2. be able to find the most effective solution to the problems faced |
| **Attention to Detail** |
| 1. apply good attention to detail 2. ensure every kind of communication is error free |
| 1. **Technical Skills** | You need to know and understand how to:   1. communicate effectively 2. apply leadership skills wherever required 3. take initiative at the right place 4. understand the requirement to be creative |

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| **NOS Code** | **TSC/ N9002** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

**National Occupational Standard**

**Overview**

# This unit is about maintaining health, safety, and security standards at workplace.

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| **Unit Code**  National Occupational Standard | **TSC/ N9003** |
| **Unit Title**  **(Task)** | Maintain health, safety and security at work place |
| **Description** | This unit provides performance criteria, knowledge & understanding and skills & abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others. |
| Scope | This unit/task covers the following:   * to recognize hazards * to plan safety techniques * to implement programs * to audit workplace |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Comply with health, Safety and security requirements at work | To be competent, operator must be able to:   1. comply with health and safety related instructions applicable to the workplace 2. use and maintain personal protective equipment such as “ear plug”, “ nose mask “, “ head cap” etc., as per protocol 3. carry out own activities in line with approved guidelines and procedures 4. maintain a healthy lifestyle and guard against dependency on intoxicants 5. follow environment management system related procedures 6. identify and correct (if possible) malfunctions in machinery and equipment 7. report any service malfunctions that cannot be rectified 8. store materials and equipment in line with organisational requirements 9. safely handle and remove waste 10. minimize health and safety risks to self and others due to own actions 11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks 12. monitor the workplace and work processes for potential risks and threat 13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned 14. report hazards and potential risks/ threats to supervisors or other authorized personnel 15. participate in mock drills/ evacuation procedures organized at the workplace 16. undertake first aid, fire-fighting and emergency response training, if asked to do so 17. take action based on instructions in the event of fire, emergencies or accidents 18. follow organisation procedures for shutdown and evacuation when required |
| Recognizing the hazards | To be competent, you must be able to:   1. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry 2. recognise other possible security issues existing in the workplace |
| Planning the safety techniques | 1. recognise different measures to curb the hazards |
| Implementing the programs | 1. communicate the safety plan to everyone 2. attach disciplinary rules with the implementation |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. safe working practices to be adopted in textile mill 3. quality systems and other processes practiced in the textile mill 4. health and safety related practices applicable at the workplace 5. potential hazards, risks and threats based on nature of operations 6. organizational procedures for safe handling of equipment and machine operations 7. potential risks due to own actions and methods to minimize these 8. environmental management system related procedures at the workplace 9. layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points 10. potential accidents and emergencies and response to these scenarios 11. reporting protocol and documentation required 12. details of personnel trained in first aid, fire-fighting and emergency response 13. actions to take in the event of a mock drills/ evacuation procedures or actual accident, emergency or fire |
| 1. **Technical Knowledge** | You need to know and understand:   1. occupational health and safety risks and methods 2. personal protective equipment and method of use 3. identification, handling and storage of hazardous substances 4. proper disposal system for waste and by-products 5. signage related to health and safety and their meaning 6. importance of sound health, hygiene and good habits 7. ill-effects of alcohol, tobacco and drugs |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| 1. read and understand the company instructions 2. read and understand work instructions 3. read and understand the safety guidelines |
| **Oral Communication (Listening and Speaking skills)** |
| 1. listen to others attentively 2. respond to emergencies, accidents or fire at the workplace 3. evacuate the premises and help others in need while doing so 4. the value of physical fitness, personal hygiene and good habits 5. talk with others politely |
| 1. **Professional Skills** | **Decision Making** |
| 1. identify correct safety measure for particular hazard 2. make required safety plans as and when required 3. raise alarm in case of emergency |
| **Analytical Thinking** |
| 1. know the use of correct safety measure whenever required |
| **Attention to Detail** |
| 1. be attentive to details 2. be careful to avoid occurrence of hazards |
| 1. **Technical Skills** | You need to know and understand :   1. maintainance of neatness at work 2. procedure for reporting unwanted behavior |

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| **NOS Code** | **TSC/ N9003** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

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**National Occupational Standard**

**Overview**

# This unit is about knowing, understanding, and complying with the requirements of the organization and the textle industry.

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| **Unit Code**  National Occupational Standard | **TSC/ N9004** |
| **Unit Title**  **(Task)** | Comply with industry and organizational requirements |
| **Description** | This unit is about knowing, understanding, and complying with the requirements of the organization and the textle industry |
| Scope | **This unit/task covers the following:**   * focus on self development * focus on team work * know and understand organizational standards * know and understand industry standards |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **PerformanceCriteria** |
| Self- development | To be competent, you must be able to:   1. perform own duties effectively 2. take responsibility for own actions 3. be accountable towards the job role and assigned duties 4. take initiative and innovate the existing methods 5. focus on self-learning and improvement |
| Team work | 1. co-ordinate with all the team members and colleagues 2. communicate politely 3. avoid conflicts and miscommunication |
| Organisational standards | 1. know the organisational standards 2. implement them in your performance 3. motivate others to follow them |
| Industry standards | 1. know the industry standards 2. align them with organisation standards |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. reporting to the supervisor or higher authority 3. knowledge of organisationl standards 4. knowledge of industry standards |
| 1. **Technical Knowledge** | You need to know and understand:   1. process and material flow in a textile mill 2. importance of complying with the standards 3. guidelines for cleaning the various parts of machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| You need to know and understand how to:   1. read the given instructions 2. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 1. talk effectively with others 2. put forward your point 3. listen to others |
| 1. **Technical skills** | you need to know and understand :   1. Organizational requirements 2. your responsibilities at the workplace 3. procedure to comply with the industry standards |

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| **NOS Code** | **TSC/ N9004** | | |
| **Credits (NSQF)**  **[*OPTIONAL*]** | **TBD** | **Version number** | **1.0** |
| **Industry** | **Textile** | **Drafted on** | **15/12/14** |
| **Industry Sub-sector** | **Weaving** | **Last reviewed on** | **21/1/15** |
| **Occupation** | **Weaving** | **Next review date** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Job Role: Pirn Winding Machine Operator Qualification Pack: TSC/Q 2206 Sector Skill Council:Textile Sector Skill Council** | | | | | | |
|
| **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 evaluations for skill practical for every student each examination/training centre (as per assessment criteria below). 4. To pass the qualification pack, every trainee should achieve minimum grade 'C' (More Than 90% - "A+", 80%-89%-"A", 70%-79%-"B+", 60%-69%-"B", 50%-59%-"C", 49% or less is "F") | | | | | | |
|  | | | | | | |
| **National Occupational Standards (NOS)** | **Performance Criteria (PC)** | **Total Marks** | **Out Of** | **Marks Allocation** | | |
| **Skills Practical** | **Theory** | **Viva** |
|  | | | | | | |
| **1. TSC/N2211 (Taking charge of shift and handing over shift to operator)** | PC1.  come atleast 10 - 15 minutes earlier to the work spot | **160** | **12** | **12** | **0** | **0** |
| PC2.  meet the previous shift winder & 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. | **12** | **6** | **6** | **0** |
| PC3.  check for the running condition of the pirn winding spindles | **12** | **6** | **3** | **3** |
| PC4.   check the running material & the count in the running spindles | **12** | **6** | **3** | **3** |
| PC5.   check the weft stock & the quality of the weft stock , to ensure whether the said stock is | **12** | **8** | **4** | **0** |
| PC6.   enough to run the machines throughout the shift. | **10** | **8** | **2** | **0** |
| PC7.   check for the empty pirns on the magazines | **10** | **6** | **4** | **0** |
| PC8.   check whether all the empty bobbins/ pirns are collected from the empty pirn box & also to ensure that the bunch waste in the said empty pirns are completely stripped | **12** | **8** | **2** | **2** |
| PC9.   check the cleanliness of the machines & other work areas | **10** | **4** | **3** | **3** |
| PC10.  check whether any spare/raw material/ tool / fabric/ any other material is thrown under the machines or in the other work areas. | **10** | **6** | **2** | **2** |
| PC11. question the previous shift winder 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. | **12** | **8** | **2** | **2** |
| PC12. hand over the shift to the incoming winder in a proper manner & get clearance from the incoming counterpart before leaving the work spot | **12** | **8** | **3** | **1** |
| PC13. report to his/ her shift superiors as well as that of the incoming shift, in case his/ her counterpart doesn't come for work , for the incoming shift. in that case, the shift has to be properly handed over to the incoming shift superior & get clearance from him/ her, before leaving the work spot | **12** | **8** | **3** | **1** |
| PC14. 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 | **12** | **6** | **3** | **3** |
|  | **160** | **100** | **40** | **20** |
| **Total** | **Weightage %** |  | 19% | 76% | 5% |
|  | | | | | | |
| **2. TSC/N2212 (Operating Auto Pirn Winding Machine)** | PC1.     collect the empty pirns from the “ empty pirn boxes” kept on the looms to store the empty pirns falling after transfer of weft pirns effected through “ automatic weft replenishment “ | **340** | **10** | **6** | **2** | **2** |
| PC2.     ensure that there is no excess weft yarn than the bunch waste, left in the said empty pirns. the same has to be intimated to the higher authority, so that the can be arrested on the looms. and the said empty pirns with excess weft yarns ( ¼ pirns & ½ pirns) have to be run on the looms itself, without giving room for high wastage of yarn. | **10** | **8** | **0** | **2** |
| PC3.     see that the said empty pirns are left with 2- 3 mtrs of weft yarn ( bunch waste) , as otherwise, it illustrates that there was no bunch provided in the pirn winding. | **10** | **8** | **0** | **2** |
| PC4.     hand- strip the bunch waste from the collected empty pirns | **10** | **5** | **5** | **0** |
| PC5. the stripped empty pirns to be filled in the magazine on the pirn winding machine | **10** | **5** | **5** | **0** |
| PC6. ensure the spindle numbers are written against each spindle. | **8** | **4** | **2** | **2** |
| PC7. to ensure proper identification of the “ material & the count” , to be run on each & every pirn winding spindle. either the same can be written on the corresponding spindles or boards with the said details can be hanged against the individual spindles | **10** | **5** | **5** | **0** |
| PC8. to ensure that the full pirns after the pirn winding are dropped on the weft boxes kept below the respective pirn winding spindles. | **8** | **3** | **3** | **2** |
| PC9. to ensure that the full pirns from one spindle after winding don’t fall on the box kept below the adjacent spindles | **10** | **4** | **3** | **3** |
| PC10. to check the material & the count ,in the cones / cheeses from the bags/ boxes before the same are fixed on the cone/cheese holders on the machine against the respective spindles. | **8** | **4** | **2** | **2** |
| PC11. to ensure whether the auto bunching mechanism on the respective spindles is working properly. | **10** | **8** | **0** | **2** |
| PC12. to bring the weft yarn from the cones/ cheeses through the guides on the respective spindles . | **10** | **4** | **4** | **2** |
| PC13. to ensure that the initial threading is with proper bunch length only | **10** | **8** | **0** | **2** |
| PC14. the weft breakage has to be attended using “ knotters “ or by ensuring tiny hand knots. | **8** | **6** | **2** | **0** |
| PC15. for any abnormal thread breakage, the same has to be brought to the notice of higher authority. | **10** | **8** | **2** | **0** |
| PC16. the produced weft pirns have to be taken to the loom shed in different boxes depending on the material and the count., to ensure “ no weft mix-up” | **10** | **8** | **2** | **0** |
| PC17. the said weft pirns have to be stored on the pirn boxes kept on the respective looms. | **10** | **8** | **2** | **0** |
| PC18. to use weft pirns kept on the boxes on the respective looms only, to fill the batteries on the corresponding looms. | **10** | **6** | **4** | **0** |
| PC19. should pull about 2 mtrs of weft in the pirns in the right hand & hold around 4 - 5 pirns at a time in the left hand | **10** | **6** | **4** | **0** |
| PC20. should press the pirn head of the pirns in space in the battery disc one by one and press the tips of the pirns in the aligned path of the pirn holders . | **8** | **4** | **2** | **2** |
| PC21. and then, should wind the pirn threads in the battery umbrella , anti clock | **8** | **4** | **2** | **2** |
| PC22. a board to be hanged/ kept in the winding department and the following details to be written on the same. • spindle number • material type ( cotton/ viscose/ polyester / p.c./ other etc) running on the respective spindle • material classification ( o. e/ ring sun karded/ ring spun combed/ ring spun compact/other etc. running on the respective spindle • count running on the respective spindle • the loom number against the respective spindle | **8** | **4** | **2** | **2** |
| PC23. to ensure that stripping of empty pirns is done by hands only. and no knife to be used, as it will damage the empty pirns themselves | **8** | **4** | **2** | **2** |
| PC24. to ensure that the empty pirns are in good condition in respect to both head & tip. | **8** | **4** | **2** | **2** |
| PC25. to ensure that brass wrapper in the empty pirn is in good condition. whenever new empty pirns are engaged , to see that the brass portin is buffed properly using sand emery. | **8** | **4** | **2** | **2** |
| PC26. while collecting empty pirns , from the looms , to see that no broken empty pirn/ full pirn is there . accordingly, the same has to be brought to the notice of the higher authority. | **8** | **4** | **2** | **2** |
| PC27. to clean the machine & the pirn winding area atleast twice in a shift , so that the same are kept neat& clean all the time. | **10** | **6** | **2** | **2** |
| PC28. to collect the waste wound on the umbrella of the loom batteries at the end of the shift | **10** | **6** | **2** | **2** |
| PC29. to weigh the battery waste & bunch waste separately and the same has to be recorded in the note kept for it | **8** | **4** | **4** | **0** |
| PC30. the said waste has to be stored separately in the places earmarked | **8** | **3** | **5** | **0** |
| PC31. should tie the " waist bag" & all the waste generated by the winders are collected in the said waist bag, which can be ultimately disposed in the places/ bins provided, at the end of the shift. | **8** | **3** | **5** | **0** |
| PC32. should ensure that the correct weft yarn, as per the " loom card" only is used | **8** | **2** | **6** | **0** |
| PC33. should see that the weft yarn is completely used , without giving room for additional wastage of raw materials. for any quality issue or defective cone etc., the same has to be brought to the notice of the superiors. | **8** | **4** | **4** | **0** |
| PC34. should give preference to safety . should not enter the area, where he/ she is not allowed. should not do a job in which training has not being given | **10** | **3** | **7** | **0** |
| PC35. should ensure that no raw material/ cloth/ spare/ tool / any other material is thrown under/ near the machines or in the other work areas. | **8** | **3** | **5** | **0** |
| PC36. should check for the reasons for the frequent weft breaks . the reasons that could be corrected by himself/ herself should be corrected. | **8** | **1** | **6** | **1** |
| PC37. otherwise, the same has to be reported to the mechanics/ fitters/ superiors | **8** | **1** | **6** | **1** |
| PC38. to write log book , for the following • spindle problem for bunch or non functioning of spindle • spare breakage • other machine complaint • material complaint for poor performance or damage • pirn breakages ( loom wise)  • pirn breakage in pirn winding | **8** | **4** | **4** | **0** |
|  | **340** | **182** | **117** | **41** |
| **Total** | **Weightage %** |  | **54%** | **34%** | **12%** |
|  |  |  |  |  |  |
| **3. TSC/N 9001 (Maintaining work area, tools and machines)** | PC1.     handle materials, machinery, equipment and tools with care and use them in the correct way | **50** | **4** | **1** | **2** | **1** |
| PC2.     use correct lifting and handling procedures | **4** | **1** | **2** | **1** |
| PC3.     use materials to minimize waste | **3** | **1** | **1** | **1** |
| 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** |
|  |  | **50** | **15** | **21** | **14** |
| **Total** | **Weightage %** |  | **30%** | **42%** | **28%** |
|  | | | | | | |
| **4. TSC/N 9002 (Working in a team)** | PC1. be accountable to the own role in whole process | **50** | **5** | **3** | **1** | **1** |
| PC2. perform all roles with full responsibility | **4** | **2** | **1** | **1** |
| PC3. be effective and efficient at workplace | **4** | **1** | **2** | **1** |
| PC4. properly communicate about company policies | **4** | **1** | **1** | **2** |
| PC5. report all problems faced during the process | **4** | **1** | **1** | **2** |
| PC6. talk politely with other team members and colleagues | **4** | **1** | **1** | **2** |
| PC7. submit daily report of own performance | **5** | **2** | **2** | **1** |
| PC8. adjust in different work situations | **4** | **2** | **1** | **1** |
| PC9. give due importance to others’ point of view | **4** | **1** | **1** | **2** |
| PC10. avoid conflicting situations | **4** | **1** | **2** | **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** |
|  | **50** | **17** | **17** | **16** |
| **Total** | **Weightage %** |  | **34%** | **34%** | **32%** |
|  | | | | | | |
| **5. TSC/N 9003 (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 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 manufacturer’s and organisational requirements | **4** | **1** | **2** | **1** |
| PC9. Safely handle and move waste and debris | **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 threats | **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** |
|  | **100** | **43** | **34** | **23** |
| **Total** | **Weightage %** |  | **43%** | **34%** | **23%** |
|  | | | | | | |
| **6. TSC/N 9004 (Comply with industry and organizational requirements)** | 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 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** |
|  | **50** | **18** | **19** | **13** |
| **Total** | **Weightage %** |  | **36%** | **38%** | **26%** |
|  | **Total** |  | **750** | **373** | **247** | **130** |
| **Grand Total-1 (Subject Domain)** | | **750** | | | | |