सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP

कौशल गुणवत्ता प्रगति

Qualification Pack

JR. TECHNICIAN - INSPECTION & QUALITY CONTROL

QP Code: MSME/CSC/Q2601

Version: 1.0

NSQF Level: 3.0

MSME TECHNOLOGY CENTRE ||
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Contents

Qualification Pack

MSME/CSC/Q2601: JR. TECHNICIAN - INSPECTION & QUALITY CONTROL

Brief Job Description

Learners who attain this qualification are competent in Inspection and Quality Control and get a job as Quality Control Inspector/ Quality Controller in Manufacturing Sector/Industry.

Personal Attributes

Learners who attain this qualification are competent in Inspection and Quality Control and get a job as Quality Control Inspector/ Quality Controller in Manufacturing Sector/Industry.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. MSME/CSC/N2604: Asst. in Checking & Inspection of Part
2. MSME/CSC/N2603: Asst. in Checking & Inspection of Part
3. MSME/CSC/N2602: Demonstrate the working Principle of Machine Tools
4. MSME/CSC/N2601: Create Part Drawing using Auto-CAD
5. MSME/CSC/N2605: EmploymentSkills

Qualification Pack (QP) Parameters

Sector	Capital Goods
Sub-Sector	Machine Tools
Occupation	Quality Control
Country	India
NSQF Level	3.0
Credits	20
Aligned to NCO/ISCO/ISIC Code	(Quality Control Inspector – Dimension Check)

Minimum Educational Qualification & Experience	10th Class with NA of experience OR Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of experience OR Previous relevant Qualification of NSQF Level 2 with 3 Years of experience
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	15 Years
Last Reviewed On	NA
Next Review Date	30/04/2027
NSQC Approval Date	30/04/2024
Version	1.0
Reference code on NQR	NCVET- QG-03-CG-02399-2024-V1-MSME
NQR Version	1.0

Qualification Pack

MSME/CSC/N2604: Asst. in Checking & Inspection of Part

Description

After completion of course Student should be able to Understand End and line Standard

Scope

The scope covers the following :

- After completion of course Student should be able to Understand End and line Standard

Elements and Performance Criteria

MSME/CCIQC/03 Asst. in Checking & Inspection of Part

To be competent, the user/individual on the job must be able to:

PC1. • Define Metrology, Inspection, Accuracy and Precision, Standards of • measurements.

PC2. • Demonstrate the linear measurement by vernier Caliper (Digital, • Analog and Dial type)

PC3. • Demonstrate the linear measurement by micmeroter (Analog and • Digital type)

PC4. • Demonstrate the linear Measurement by height gauges (Digital and • Analog type).

PC5. • Calculate the least count of various instruments (Vernier Caliper, • Micrometer and Height Gauge)

PC6. • Demonstrate the diametrical Measurement: inside diameter by • inside micrometer

PC7. • Demonstrate the Diametrical Measurement: depth of hole or recess • by depth micrometer.

PC8. Angle and taper measurements by bevel protractor and Sine bar.

PC9. • To find out the flatness of Surface plate by use of spirit level and • optical flat.

PC10. Measure surface roughness by roughness tester.

PC11. • Perform measurement of micro threads (British , Acme, Matric) by • use of profile projector

PC12. Apply limits, fits and tolerances for a given geometry

PC13. • Check various dimensions using gauges (Go-No GO Type, plug, ring • etc.)

PC14. Measurement of screw thread using various instruments

PC15. • List Geometrical Dimensions & Tolerances used in manufacturing • industries.

PC16. • Evaluate and do analysis of parameters of screw threads • Measurement:

PC17. • CMM types: Rigid body analysis of machine errors (see machine • tools),

PC18. CMM probes, usage, Software and measurement procedures,

PC19. Task specific uncertainty

PC20. Specification of machine errors,

PC21. • Standard tests for machining centers and lathes, ASME B5.54,ASME
• B5.57,

PC22. Rigid body analysis of machine errors (see CMMs

PC23. • Stylus methods:- Instruments Filters, Parameters, Optical methods,
• White light interferometers,

PC24. • Other area instruments ,a. Pitch and pitch diameter .b. Thread angle
• c. Involute curves d. Pitch diameter measurement over wires e.
• Measurement of gear and thread wires

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/CCIQC/03 Asst. in Checking & Inspection of Part	-	100	-	-
PC1. • Define Metrology, Inspection, Accuracy and Precision, Standards of • measurements.	-	-	-	-
PC2. • Demonstrate the linear measurement by vernier Caliper (Digital, • Analog and Dial type)	-	-	-	-
PC3. • Demonstrate the linear measurement by micmeroter (Analog and • Digital type)	-	-	-	-
PC4. • Demonstrate the linear Measurement by height gauges (Digital and • Analog type).	-	-	-	-
PC5. • Calculate the least count of various instruments (Vernier Caliper, • Micrometer and Height Gauge)	-	-	-	-
PC6. • Demonstrate the diametrical Measurement: inside diameter by • inside micrometer	-	-	-	-
PC7. • Demonstrate the Diametrical Measurement: depth of hole or recess • by depth micrometer.	-	-	-	-
PC8. Angle and taper measurements by bevel protractor and Sine bar.	-	-	-	-
PC9. • To find out the flatness of Surface plate by use of spirit level and • optical flat.	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. Measure surface roughness by roughness tester.	-	-	-	-
PC11. • Perform measurement of micro threads (British , Acme, Matric) by • use of profile projector	-	-	-	-
PC12. Apply limits, fits and tolerances for a given geometry	-	-	-	-
PC13. • Check various dimensions using gauges (Go-No GO Type, plug, ring • etc.)	-	-	-	-
PC14. Measurement of screw thread using various instruments	-	-	-	-
PC15. • List Geometrical Dimensions & Tolerances used in manufacturing • industries.	-	-	-	-
PC16. • Evaluate and do analysis of parameters of screw threads • Measurement:	-	-	-	-
PC17. • CMM types: Rigid body analysis of machine errors (see machine • tools),	-	-	-	-
PC18. CMM probes, usage, Software and measurement procedures,	-	-	-	-
PC19. Task specific uncertainty	-	-	-	-
PC20. Specification of machine errors,	-	-	-	-
PC21. • Standard tests for machining centers and lathes, ASME B5.54,ASME • B5.57,	-	-	-	-
PC22. Rigid body analysis of machine errors (see CMMs	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC23. • Stylus methods:- Instruments Filters, Parameters, Optical methods, • White light interferometers,	-	-	-	-
PC24. • Other area instruments ,a. Pitch and pitch diameter .b. Thread angle • c. Involute curves d. Pitch diameter measurement over wires e. • Measurement of gear and thread wires	-	-	-	-
NOS Total	**-**	**100**	**-**	**-**

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N2604
NOS Name	Asst. in Checking & Inspection of Part
Sector	Capital Goods
Sub-Sector	
Occupation	Quality Control
NSQF Level	3
Credits	11
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

Qualification Pack

MSME/CSC/N2603: Asst. in Checking & Inspection of Part

Description

After completion of course Student should be able to Understand End and line Standard

Scope

The scope covers the following :

- After completion of course Student should be able to Understand End and line Standard

Elements and Performance Criteria

MSME/CCIQC/03 Asst. in Checking & Inspection of Part

To be competent, the user/individual on the job must be able to:

PC1. • Define Metrology, Inspection, Accuracy and Precision, Standards of • measurements.

PC2. • Demonstrate the linear measurement by vernier Caliper (Digital, • Analog and Dial type)

PC3. • Demonstrate the linear measurement by micmeroter (Analog and • Digital type)

PC4. • Demonstrate the linear Measurement by height gauges (Digital and • Analog type).

PC5. • Calculate the least count of various instruments (Vernier Caliper, • Micrometer and Height Gauge)

PC6. • Demonstrate the diametrical Measurement: inside diameter by • inside micrometer

PC7. • Demonstrate the Diametrical Measurement: depth of hole or recess • by depth micrometer.

PC8. Angle and taper measurements by bevel protractor and Sine bar.

PC9. • To find out the flatness of Surface plate by use of spirit level and • optical flat.

PC10. Measure surface roughness by roughness tester.

PC11. • Perform measurement of micro threads (British , Acme, Matric) by • use of profile projector

PC12. Apply limits, fits and tolerances for a given geometry

PC13. • Check various dimensions using gauges (Go-No GO Type, plug, ring • etc.)

PC14. Measurement of screw thread using various instruments

PC15. • List Geometrical Dimensions & Tolerances used in manufacturing • industries.

PC16. • Evaluate and do analysis of parameters of screw threads • Measurement:

PC17. • CMM types: Rigid body analysis of machine errors (see machine • tools),

PC18. CMM probes, usage, Software and measurement procedures,

PC19. Task specific uncertainty

PC20. Specification of machine errors,

PC21. • Standard tests for machining centers and lathes, ASME B5.54,ASME
• B5.57,

PC22. Rigid body analysis of machine errors (see CMMs

PC23. • Stylus methods:- Instruments Filters, Parameters, Optical methods,
• White light interferometers,

PC24. • Other area instruments ,a. Pitch and pitch diameter .b. Thread angle
• c. Involute curves d. Pitch diameter measurement over wires e.
• Measurement of gear and thread wires

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/CCIQC/03 Asst. in Checking & Inspection of Part	**100**	**-**	**-**	**-**
PC1. • Define Metrology, Inspection, Accuracy and Precision, Standards of • measurements.	-	-	-	-
PC2. • Demonstrate the linear measurement by vernier Caliper (Digital, • Analog and Dial type)	-	-	-	-
PC3. • Demonstrate the linear measurement by micmeroter (Analog and • Digital type)	-	-	-	-
PC4. • Demonstrate the linear Measurement by height gauges (Digital and • Analog type).	-	-	-	-
PC5. • Calculate the least count of various instruments (Vernier Caliper, • Micrometer and Height Gauge)	-	-	-	-
PC6. • Demonstrate the diametrical Measurement: inside diameter by • inside micrometer	-	-	-	-
PC7. • Demonstrate the Diametrical Measurement: depth of hole or recess • by depth micrometer.	-	-	-	-
PC8. Angle and taper measurements by bevel protractor and Sine bar.	-	-	-	-
PC9. • To find out the flatness of Surface plate by use of spirit level and • optical flat.	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. Measure surface roughness by roughness tester.	-	-	-	-
PC11. • Perform measurement of micro threads (British , Acme, Matric) by • use of profile projector	-	-	-	-
PC12. Apply limits, fits and tolerances for a given geometry	-	-	-	-
PC13. • Check various dimensions using gauges (Go-No GO Type, plug, ring • etc.)	-	-	-	-
PC14. Measurement of screw thread using various instruments	-	-	-	-
PC15. • List Geometrical Dimensions & Tolerances used in manufacturing • industries.	-	-	-	-
PC16. • Evaluate and do analysis of parameters of screw threads • Measurement:	-	-	-	-
PC17. • CMM types: Rigid body analysis of machine errors (see machine • tools),	-	-	-	-
PC18. CMM probes, usage, Software and measurement procedures,	-	-	-	-
PC19. Task specific uncertainty	-	-	-	-
PC20. Specification of machine errors,	-	-	-	-
PC21. • Standard tests for machining centers and lathes, ASME B5.54,ASME • B5.57,	-	-	-	-
PC22. Rigid body analysis of machine errors (see CMMs	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC23. • Stylus methods:- Instruments Filters, Parameters, Optical methods, • White light interferometers,	-	-	-	-
PC24. • Other area instruments ,a. Pitch and pitch diameter .b. Thread angle • c. Involute curves d. Pitch diameter measurement over wires e. • Measurement of gear and thread wires	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N2603
NOS Name	Asst. in Checking & Inspection of Part
Sector	Capital Goods
Sub-Sector	
Occupation	Quality Control
NSQF Level	3
Credits	2
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N2602: Demonstrate the working Principle of Machine Tools

Description

After completion of course Student should be able to Understand about the basic norms of an organization

Scope

The scope covers the following :

- After completion of course Student should be able to Understand about the basic norms of an organization

Elements and Performance Criteria

MSME/CCIQC/02 Demonstrate the working Principle of Machine Tools

To be competent, the user/individual on the job must be able to:

PC1. Explain occupational health and Safety

PC2. Explain about safety rules.

PC3. • State the name and location of people responsible for health and
• safety in the workplace

PC4. • State the names and location of documents that refer to health and
• safety in the workplace

PC5. • Using various appropriate fire extinguishers on different types of
• fires correctly

PC6. Explain the PPE in Industrial Safety

PC7. • Explain Basic injury prevention, Hazard identification and avoidance,
• safety signs for Danger, Warning, caution & personal safety
• message

PC8. Explain the types of Waste disposal techniques/ Management.

PC9. • Explain the importance of occupational health and safety at
• workplace.

PC10. Explain the concept of 5S

PC11. the 5S cycle, activities and 5S program overview

PC12. Describe 5S program steps

PC13. Explain different types of machine tools (Turning machines)

PC14. Explain the Parts of a lathe machine

PC15. Explain various job holding device on lathe machine

PC16. Explain the function of lathe machine

PC17. Explain various operations performed on lathe Machine.

PC18. Explain Methods of performing tapper turning operation

PC19. Explain Taper turning, step turning, radius making and parting-off.

PC20. • Explain Different types of fitting tools and marking tools used in
• fitting practice.

PC21. Explain the systems of unit - FPS, CGS, MKS/SI unit

PC22. unit of length, Mass and time and Conversion of units

PC23. • Mensuration: Area and perimeter of square, rectangle,
• parallelogram, triangle, circle, semi-circle, Volume of solids and
• cylinder

PC24. • Explain quality policy and quality organization: Indian and
• international organization

PC25. Explain the concept of quality Assurance and 7 QC Tools.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/CCIQC/02 Demonstrate the working Principle of Machine Tools	**100**	**-**	**-**	**-**
PC1. Explain occupational health and Safety	-	-	-	-
PC2. Explain about safety rules.	-	-	-	-
PC3. • State the name and location of people responsible for health and • safety in the workplace	-	-	-	-
PC4. • State the names and location of documents that refer to health and • safety in the workplace	-	-	-	-
PC5. • Using various appropriate fire extinguishers on different types of • fires correctly	-	-	-	-
PC6. Explain the PPE in Industrial Safety	-	-	-	-
PC7. • Explain Basic injury prevention, Hazard identification and avoidance, • safety signs for Danger, Warning, caution & personal safety • message	-	-	-	-
PC8. Explain the types of Waste disposal techniques/ Management.	-	-	-	-
PC9. • Explain the importance of occupational health and safety at • workplace.	-	-	-	-
PC10. Explain the concept of 5S	-	-	-	-
PC11. the 5S cycle, activities and 5S program overview	-	-	-	-
PC12. Describe 5S program steps	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. Explain different types of machine tools (Turning machines)	-	-	-	-
PC14. Explain the Parts of a lathe machine	-	-	-	-
PC15. Explain various job holding device on lathe machine	-	-	-	-
PC16. Explain the function of lathe machine	-	-	-	-
PC17. Explain various operations performed on lathe Machine.	-	-	-	-
PC18. Explain Methods of performing tapper turning operation	-	-	-	-
PC19. Explain Taper turning, step turning, radius making and parting-off.	-	-	-	-
PC20. • Explain Different types of fitting tools and marking tools used in • fitting practice.	-	-	-	-
PC21. Explain the systems of unit - FPS, CGS, MKS/SI unit	-	-	-	-
PC22. unit of length, Mass and time and Conversion of units	-	-	-	-
PC23. • Mensuration: Area and perimeter of square, rectangle, • parallelogram, triangle, circle, semi-circle, Volume of solids and • cylinder	-	-	-	-
PC24. • Explain quality policy and quality organization: Indian and • international organization	-	-	-	-
PC25. Explain the concept of quality Assurance and 7 QC Tools.	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N2602
NOS Name	Demonstrate the working Principle of Machine Tools
Sector	Capital Goods
Sub-Sector	
Occupation	Quality Control
NSQF Level	3
Credits	3
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N2601: Create Part Drawing using Auto-CAD

Description

After completion of course Student should be able to Explain the application of engineering drawing.

Scope

The scope covers the following :

- After completion of course Student should be able to Explain the application of engineering drawing.

Elements and Performance Criteria

MSME/CCIQC/01 Create Part Drawing using Auto-CAD

To be competent, the user/individual on the job must be able to:

PC1. Explain the Importance of Engineering drawing,

PC2. Explanation the scope and objective of Engineering Drawing

PC3. • Demonstrate and explain drawing Standards: Size of drawing sheets
• – Layout of drawing sheet – Title Blocks – Types of lines – Folding of
• drawing sheets.

PC4. • Use of dimensioning techniques according to Standard of
• dimensions

PC5. Demonstrate orthographic & Isometric projection by using a viewing box and a model

PC6. Demonstrate first angle and third angle projection

PC7. Use of symbol in projections -Front view, top view and side view

PC8. Demonstrate the use of Auto CAD and Auto CAD interface

PC9. Apply coordinates systems in auto CAD

PC10. Demonstrate the use of tool bars.

PC11. Create solid field area (Hatching, Gradient)

PC12. Edit objects using the object property tool bar and various methods

PC13. • Use sketch settings and Style toolbar (text style, Multilayer style
• etc.)

PC14. Edit object using object property toolbar & various method.

PC15. Create the replica of model using copy, array command

PC16. Work with models in the modify toolbar.

PC17. Identify the appropriate Tool to create and modify the model

PC18. • Change the orientation of the object by aligns, offset, rotate
• command

PC19. Apply standard dimension in a mechanical component.

PC20. • Use of dimensioning Methods: Linear, Align, ordinates, Radius,
• Diameter, Arc length, angular etc,

PC21. Use of leader with text, block reference

PC22. Edit or modify the CAD Drawings

PC23. Use of layers Management and its applications

PC24. Apply GD& T Symbols in drawings

PC25. Develop proper drawing layout.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/CCIQC/01 Create Part Drawing using Auto-CAD	-	100	-	-
PC1. Explain the Importance of Engineering drawing,	-	-	-	-
PC2. Explanation the scope and objective of Engineering Drawing	-	-	-	-
PC3. • Demonstrate and explain drawing Standards: Size of drawing sheets • – Layout of drawing sheet – Title Blocks – Types of lines – Folding of • drawing sheets.	-	-	-	-
PC4. • Use of dimensioning techniques according to Standard of • dimensions	-	-	-	-
PC5. Demonstrate orthographic & Isometric projection by using a viewing box and a model	-	-	-	-
PC6. Demonstrate first angle and third angle projection	-	-	-	-
PC7. Use of symbol in projections -Front view, top view and side view	-	-	-	-
PC8. Demonstrate the use of Auto CAD and Auto CAD interface	-	-	-	-
PC9. Apply coordinates systems in auto CAD	-	-	-	-
PC10. Demonstrate the use of tool bars.	-	-	-	-
PC11. Create solid field area (Hatching, Gradient)	-	-	-	-
PC12. Edit objects using the object property tool bar and various methods	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. • Use sketch settings and Style toolbar (text style, Multilayer style • etc.)	-	-	-	-
PC14. Edit object using object property toolbar & various method.	-	-	-	-
PC15. Create the replica of model using copy, array command	-	-	-	-
PC16. Work with models in the modify toolbar.	-	-	-	-
PC17. Identify the appropriate Tool to create and modify the model	-	-	-	-
PC18. • Change the orientation of the object by aligns, offset, rotate • command	-	-	-	-
PC19. Apply standard dimension in a mechanical component.	-	-	-	-
PC20. • Use of dimensioning Methods: Linear, Align, ordinates, Radius, • Diameter, Arc length, angular etc,	-	-	-	-
PC21. Use of leader with text, block reference	-	-	-	-
PC22. Edit or modify the CAD Drawings	-	-	-	-
PC23. Use of layers Management and its applications	-	-	-	-
PC24. Apply GD& T Symbols in drawings	-	-	-	-
PC25. Develop proper drawing layout.	-	-	-	-
NOS Total	**-**	**100**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N2601
NOS Name	Create Part Drawing using Auto-CAD
Sector	Capital Goods
Sub-Sector	
Occupation	Quality Control
NSQF Level	3
Credits	3
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N2605: EmploymentSkills

Description

This NOS unit is about carrying out operations about learners applying basic and advanced Employability Skills concepts in real life situations to become a successful 21st century professional

Scope

The scope covers the following :

- The scope covers the following plan and prepare advance employability skills activities carry out the work to plan and prepare the learners to build key knowledge and skills for career development in the 21st century using advanced employability skills
- documenting the record

Elements and Performance Criteria

MSME/ES/01 Employment Skills

To be competent, the user/individual on the job must be able to:

PC1. • Understand the significance of employability skills in meeting the • job requirements

PC2. • Identify constitutional values, civic rights, duties, personal values • and ethics and environmentally sustainable practices.

PC3. • Explain 21st Century Skills such as Self-Awareness, Behavior Skills, • Positive attitude, self-motivation, problem-solving, creative • thinking, time management, social and cultural awareness,emotional awareness, continuous learning mindset etc

PC4. Speak with others using some basic English phrases or sentences

PC5. Follow good manners while communicating with others

PC6. Work with others in a team

PC7. Communicate and behave appropriately with all genders and PwD

PC8. Report any issues related to sexual harassment

PC9. Use various financial products and services safely and securely

PC10. Calculate income, expenses, savings etc

PC11. • Approach the concerned authorities for any exploitation as per legal • rights and laws

PC12. • Operate digital devices and use its features and applications • securely and safely

PC13. Use internet and social media platforms securely and safely

PC14. Identify and assess opportunities for potential business

PC15. • Identify sources for arranging money and associated financial and • legal challenges

PC16. Identify different types of customers

PC17. Identify customer needs and address them appropriately

PC18. Follow appropriate hygiene and grooming standards.

PC19. Create a basic biodata

PC20. Search for suitable jobs and apply

PC21. • Identify and register apprenticeship opportunities as per
• requirement

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/ES/01 Employment Skills	**100**	**-**	**-**	**-**
PC1. • Understand the significance of employability skills in meeting the • job requirements	-	-	-	-
PC2. • Identify constitutional values, civic rights, duties, personal values • and ethics and environmentally sustainable practices.	-	-	-	-
PC3. • Explain 21st Century Skills such as Self-Awareness, Behavior Skills, • Positive attitude, self-motivation, problem-solving, creative • thinking, time management, social and cultural awareness,emotional awareness, continuous learning mindset etc	-	-	-	-
PC4. Speak with others using some basic English phrases or sentences	-	-	-	-
PC5. Follow good manners while communicating with others	-	-	-	-
PC6. Work with others in a team	-	-	-	-
PC7. Communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. Report any issues related to sexual harassment	-	-	-	-
PC9. Use various financial products and services safely and securely	-	-	-	-
PC10. Calculate income, expenses, savings etc	-	-	-	-
PC11. • Approach the concerned authorities for any exploitation as per legal • rights and laws	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. • Operate digital devices and use its features and applications • securely and safely	-	-	-	-
PC13. Use internet and social media platforms securely and safely	-	-	-	-
PC14. Identify and assess opportunities for potential business	-	-	-	-
PC15. • Identify sources for arranging money and associated financial and • legal challenges	-	-	-	-
PC16. Identify different types of customers	-	-	-	-
PC17. Identify customer needs and address them appropriately	-	-	-	-
PC18. Follow appropriate hygiene and grooming standards.	-	-	-	-
PC19. Create a basic biodata	-	-	-	-
PC20. Search for suitable jobs and apply	-	-	-	-
PC21. • Identify and register apprenticeship opportunities as per • requirement	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N2605
NOS Name	EmploymentSkills
Sector	Capital Goods
Sub-Sector	
Occupation	Quality Control
NSQF Level	3.0
Credits	1
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

As per QP

Minimum Aggregate Passing % at QP Level : 40

(**Please note**: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/CSC/N2604.Asst. in Checking & Inspection of Part	-	100	-	-	100	20
MSME/CSC/N2603.Asst. in Checking & Inspection of Part	100	-	-	-	100	20
MSME/CSC/N2602.Demonstrate the working Principle of Machine Tools	100	-	-	-	100	20
MSME/CSC/N2601.Create Part Drawing using Auto-CAD	-	100	-	-	100	20
MSME/CSC/N2605.EmploymentSkills	100	-	-	-	100	20
Total	**300**	**200**	**-**	**-**	**500**	**100**

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a 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.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
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 (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) 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 (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by 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 a 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 quality of performance required.

Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation 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 (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment 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.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.