



Automotive Painting Operator

QP Code: ASC/Q3303

Version: 2.0

NSQF Level: 3

Automotive Skills Development Council || 153, Gr Floor, Okhla Industrial Area, Phase - III, Leela Building
New Delhi - 110020

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ASC/Q3303: Automotive Painting Operator

Brief Job Description

The individual in this role supports the painting technician in pre-treatment and body preparation processes, painting activities such as mixing of paint, applying paint etc. and post-painting activities such as quality check, maintenance, storing and tagging etc.

Personal Attributes

The person should be patient, organised, team-oriented and have the ability to work for long hours in adverse conditions. They should be keen observers and have an eye for detail and quality.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [ASC/N9803: Organize work and resources \(Manufacturing\)](#)
2. [ASC/N9802: Interact effectively with colleagues, customers and others](#)
3. [ASC/N3305: Support the painting technician in pre-treatment process](#)
4. [ASC/N3306: Support the painting technician in painting and post-painting operations](#)

Qualification Pack (QP) Parameters

Sector	Automotive
Sub-Sector	Manufacturing
Occupation	Painting & Surface Treatment Operation
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7132.0203
Minimum Educational Qualification & Experience	8 th Class Pass with 1 year of relevant exp. OR 8th Class Pass + ITI OR 10th Class pass

	OR Certificate-NSQF (Automotive Body Painting Assistant Level 2) with 1 year of relevant experience
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	29/07/2021
Next Review Date	29/07/2026
NSQC Approval Date	29/07/2021
Version	2.0

ASC/N9803: Organize work and resources (Manufacturing)

Description

This NOS unit is about implementing safety, planning work, adopting sustainable practices for optimising use of resources

Scope

The scope covers the following :

- Maintain safe and secure working environment
- Health and hygiene
- Perform work as per quality standards
- Effective waste management practices
- Material/energy conservation practices

Elements and Performance Criteria

Maintain safe and secure working environment

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

- PC1. identify hazardous activities and the possible causes of risks or accidents in the workplace
- PC2. follow safe working practices while dealing with hazards to ensure safety of self and others
- PC3. carry out routine check of the machine for identifying potential hazards
- PC4. use appropriate protective clothing/equipment for specific tasks and work
- PC5. follow safety hazards and preventive techniques during fire drill
- PC6. report any identified breaches in health, safety and security policies and procedures to the designated person

Health and hygiene

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

- PC7. ensure workstation and equipment are regularly clean and sanitized
- PC8. clean hands with soap, alcohol-based sanitizer regularly
- PC9. avoid contact with ill people and self-isolate in a similar situation
- PC10. wear and dispose PPEs regularly and appropriately
- PC11. report advanced hygiene and sanitation issues to appropriate authority
- PC12. follow stress and anxiety management techniques

Perform work as per quality standards

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

- PC13. ensure that work is accomplished as per the requirements within the specified timeline
- PC14. ensure team goals are given preference over individual goals

Effective waste management practices

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

- PC15. follow the fundamentals of 5S for waste management
- PC16. segregate waste into different categories

- PC17. follow processes specified for disposal of hazardous waste
- PC18. identify recyclable, non-recyclable and hazardous waste
- PC19. dispose non-recyclable, recyclable and reusable waste appropriately at identified location

Material/energy conservation practices

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

- PC20. identify ways to optimize usage of material in various tasks/activities/processes
- PC21. check for spills/leakages in various tasks/activities/processes
- PC22. plug spills/leakages and escalate to appropriate authority if unable to rectify
- PC23. check if the equipment/machine is functioning normally before commencing work and rectify wherever required
- PC24. report malfunctioning (fumes/ sparks/emission/vibration/noise) and lapse in maintenance of equipment
- PC25. ensure electrical equipment and appliances are properly connected and turned off when not in use

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1. organisation procedures for health, safety and security, individual role and responsibilities in this context
- KU2. the organisation's emergency procedures for different emergency situations and the importance of following the same
- KU3. evacuation procedures for workers and visitors
- KU4. how and when to report hazards as well as the limits of responsibility for dealing with hazards
- KU5. potential hazards, risks and threats based on the nature of work
- KU6. preventative and remedial actions to be taken in case of exposure to toxic material
- KU7. various types of fire extinguisher
- KU8. various types of safety signs and their meaning
- KU9. appropriate first aid treatment relevant to different condition e.g. bleeding, minor burns, eye injuries etc.
- KU10. relevant standards, procedures and policies related to 5S followed in the company
- KU11. the various materials used and their storage norms
- KU12. efficient utilisation of material and water
- KU13. basics of electricity and prevalent energy efficient devices
- KU14. common practices of conserving electricity
- KU15. common sources and ways to minimize pollution
- KU16. categorisation of waste into dry, wet, recyclable, non-recyclable and items of single-use plastics
- KU17. usage of different colors of dustbins
- KU18. waste management techniques
- KU19. significance of greening

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1. read safety instructions/guidelines
- GS2. modify work practices to improve them
- GS3. ask for clarifications from superior about the job requirement
- GS4. work with supervisors/team members to carry out work related tasks
- GS5. complete tasks efficiently and accurately within stipulated time
- GS6. inform/report to concerned person in case of any problem
- GS7. make timely decisions for efficient utilization of resources
- GS8. write reports such as accident report, in at least English/regional language
- GS9. be punctual and utilize time efficiently

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain safe and secure working environment</i>	11	5	-	7
PC1. identify hazardous activities and the possible causes of risks or accidents in the workplace	2	1	-	2
PC2. follow safe working practices while dealing with hazards to ensure safety of self and others	2	-	-	1
PC3. carry out routine check of the machine for identifying potential hazards	2	1	-	1
PC4. use appropriate protective clothing/equipment for specific tasks and work	2	1	-	1
PC5. follow safety hazards and preventive techniques during fire drill	2	1	-	1
PC6. report any identified breaches in health, safety and security policies and procedures to the designated person	1	1	-	1
<i>Health and hygiene</i>	7	5	-	2
PC7. ensure workstation and equipment are regularly clean and sanitized	2	2	-	1
PC8. clean hands with soap, alcohol-based sanitizer regularly	1	1	-	1
PC9. avoid contact with ill people and self-isolate in a similar situation	1	-	-	-
PC10. wear and dispose PPEs regularly and appropriately	1	-	-	-
PC11. report advanced hygiene and sanitation issues to appropriate authority	1	1	-	-
PC12. follow stress and anxiety management techniques	1	1	-	-
<i>Perform work as per quality standards</i>	5	3	-	2
PC13. ensure that work is accomplished as per the requirements within the specified timeline	2	2	-	1

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. ensure team goals are given preference over individual goals	3	1	-	1
<i>Effective waste management practices</i>	15	10	-	4
PC15. follow the fundamentals of 5S for waste management	3	2	-	1
PC16. segregate waste into different categories	2	1	-	-
PC17. follow processes specified for disposal of hazardous waste	2	2	-	1
PC18. identify recyclable, non-recyclable and hazardous waste	4	2	-	1
PC19. dispose non-recyclable, recyclable and reusable waste appropriately at identified location	4	3	-	1
<i>Material/energy conservation practices</i>	12	7	-	5
PC20. identify ways to optimize usage of material in various tasks/activities/processes	2	1	-	1
PC21. check for spills/leakages in various tasks/activities/processes	2	1	-	1
PC22. plug spills/leakages and escalate to appropriate authority if unable to rectify	2	1	-	-
PC23. check if the equipment/machine is functioning normally before commencing work and rectify wherever required	2	2	-	1
PC24. report malfunctioning (fumes/sparks/emission/vibration/noise) and lapse in maintenance of equipment	2	1	-	1
PC25. ensure electrical equipment and appliances are properly connected and turned off when not in use	2	1	-	1
NOS Total	50	30	-	20

National Occupational Standards (NOS) Parameters

NOS Code	ASC/N9803
NOS Name	Organize work and resources (Manufacturing)
Sector	Automotive
Sub-Sector	Generic
Occupation	Generic
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	29/07/2021
Next Review Date	29/07/2026
NSQC Clearance Date	29/07/2021

ASC/N9802: Interact effectively with colleagues, customers and others

Description

This NOS unit is about communicating with customers and colleagues/superiors, either in own work group or in other work groups within organisation.

Scope

The scope covers the following :

- Communicate effectively with colleagues, customers and others
- Interact with supervisor or superior

Elements and Performance Criteria

Communicate effectively with colleagues, customers and others

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

- PC1. maintain clear communication with colleagues, customers and others, wherever needed, through all means i.e. face-to-face, telephonic or written
- PC2. adjust communication styles to reflect gender and persons with disability (PWD) sensitivity
- PC3. work in a way that shows respect for colleagues and others
- PC4. follow the organisation's policies and procedures while working in a team
- PC5. respect personal space of colleagues and customers

Interact with supervisor or superior

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

- PC6. identify work requirements by receiving instructions from reporting supervisor
- PC7. escalate problems to supervisors that cannot be handled including repairs and maintenance of machine
- PC8. report the completed work
- PC9. rectify errors as per feedback

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1. the importance of effective communication and establishing good working relationships with colleagues and supervisor
- KU2. different methods of communication as per the circumstances
- KU3. gender based concepts, issues and legislation

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1. read instructions/guidelines/procedures

- GS2. listen effectively and orally communicate information
- GS3. ask for clarification and advice from the concerned person
- GS4. maintain positive and effective relationships with colleagues and customers
- GS5. evaluate the possible solution(s) to the problem
- GS6. deliver consistent and reliable service to customers
- GS7. complete written work with attention to detail
- GS8. check that the work meets customer requirements

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Communicate effectively with colleagues, customers and others</i>	36	11	-	14
PC1. maintain clear communication with colleagues, customers and others, wherever needed, through all means i.e. face-to-face, telephonic or written	8	-	-	4
PC2. adjust communication styles to reflect gender and persons with disability (PwD) sensitivity	8	-	-	-
PC3. work in a way that shows respect for colleagues and others	7	4	-	3
PC4. follow the organisation's policies and procedures while working in a team	7	4	-	3
PC5. respect personal space of colleagues and customers	6	3	-	4
<i>Interact with supervisor or superior</i>	14	19	-	6
PC6. identify work requirements by receiving instructions from reporting supervisor	7	4	-	-
PC7. escalate problems to supervisors that cannot be handled including repairs and maintenance of machine	-	5	-	3
PC8. report the completed work	7	5	-	-
PC9. rectify errors as per feedback	-	5	-	3
NOS Total	50	30	-	20

National Occupational Standards (NOS) Parameters

NOS Code	ASC/N9802
NOS Name	Interact effectively with colleagues, customers and others
Sector	Automotive
Sub-Sector	Generic
Occupation	Generic
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	29/07/2021
Next Review Date	29/07/2026
NSQC Clearance Date	29/07/2021

ASC/N3305: Support the painting technician in pre-treatment process

Description

This unit is about supporting the painting technician in pre-treatment and surface preparation processes as per the standards specified by the organization.

Scope

The scope covers the following :

- Preparing for pre-treatment and surface preparation work
- Support painting technician in pre-treatment and surface preparation process
- Perform post-surface treatment activities

Elements and Performance Criteria

Preparing for pre-treatment and surface preparation work

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

- PC1. enquire with the technician/supervisor and identify the tools, equipment, accessories and materials required for the pre-treatment and surface preparation work
- PC2. select and arrange the right material, tools, equipment and accessories as per the SOP and job requirements
- PC3. check the tools, equipment and material for any defects, expiry date etc. before use
- PC4. lift the vehicle body parts manually or by hoist and place the same securely on the designated slot/space as per the work instructions

Support painting technician in pre-treatment and surface preparation process

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

- PC5. clean the vehicle body or parts properly and ensure that they are free from all dust particles
- PC6. support the technician in performing all pre-treatment and surface preparation processes on vehicle body/parts as per the requirements/specification
- PC7. apply pressurized air on the vehicle body/parts for removal of any unwanted extra ED drops as per SOP

Perform post-surface treatment activities

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

- PC8. unload the vehicle body/parts after completion of all processes on skids for the painting activities
- PC9. clean and store the tools, equipment and process auxiliaries as per organisational guidelines after completion of work
- PC10. dispose waste material into the disposal area in accordance with the company's policies and environmental regulations

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1. relevant pre-treatment and surface preparation standards and procedures followed in the company
- KU2. SOP recommended by the manufacturer for using material, tools, equipment and accessories during the pre-treatment and surface preparation process
- KU3. process flow of pre-treatment and surface preparation processes i.e. prewash, hot water spray, pre-degreasing, degrease dip, Water rinse I spray & Water rinse II dip, Surface Conditioning, Phosphate dip, Water rinse III spray & Water rinse IV dip, ED Bath, Ultra Filtrate 1, 2 and 3, RCDM dip and Fresh DI spray process
- KU4. procedures for the handling and safe use of pre-treatment and surface preparation materials and solvents
- KU5. various jigs and components to be loaded and their locations
- KU6. cleaning and maintenance of the tool and equipment

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1. read and interpret work instructions, equipment manuals and process documents
- GS2. communicate the painting process requirements to the technician and co-workers
- GS3. communicate issues to the supervisor that occur during painting process
- GS4. attentively listen and comprehend the information given by the technician/team members
- GS5. write any work related information in English/regional language
- GS6. recognise a workplace problem and take suitable action
- GS7. analyse and apply the information gathered from observation, experience, reasoning or communication to act efficiently
- GS8. plan and organise tools, equipment and consumables for carrying out painting job
- GS9. complete the assigned tasks within specified timeline and schedule

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for pre-treatment and surface preparation work</i>	13	16	-	9
PC1. enquire with the technician/supervisor and identify the tools, equipment, accessories and materials required for the pre-treatment and surface preparation work	6	5	-	3
PC2. select and arrange the right material, tools, equipment and accessories as per the SOP and job requirements	3	3	-	3
PC3. check the tools, equipment and material for any defects, expiry date etc. before use	2	4	-	2
PC4. lift the vehicle body parts manually or by hoist and place the same securely on the designated slot/space as per the work instructions	2	4	-	1
<i>Support painting technician in pre-treatment and surface preparation process</i>	10	23	-	7
PC5. clean the vehicle body or parts properly and ensure that they are free from all dust particles	2	4	-	2
PC6. support the technician in performing all pre-treatment and surface preparation processes on vehicle body/parts as per the requirements/specification	6	15	-	4
PC7. apply pressurized air on the vehicle body/parts for removal of any unwanted extra ED drops as per SOP	2	4	-	1
<i>Perform post-surface treatment activities</i>	7	11	-	4
PC8. unload the vehicle body/parts after completion of all processes on skids for the painting activities	2	4	-	2
PC9. clean and store the tools, equipment and process auxiliaries as per organisational guidelines after completion of work	3	4	-	1
PC10. dispose waste material into the disposal area in accordance with the company's policies and environmental regulations	2	3	-	1

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	30	50	-	20

National Occupational Standards (NOS) Parameters

NOS Code	ASC/N3305
NOS Name	Support the painting technician in pre-treatment process
Sector	Automotive
Sub-Sector	Manufacturing
Occupation	Painting & Surface Treatment Operation
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	29/07/2021
Next Review Date	29/07/2026
NSQC Clearance Date	29/07/2021

ASC/N3306: Support the painting technician in painting and post-painting operations

Description

This unit is about supporting the painting technician in painting and post-painting operations as per the given work order and the standards specified by the organization.

Scope

The scope covers the following :

- Preparing for paint work
- Preparing paint for painting process
- Apply coatings of paint on the vehicle body
- Support technician in post-painting activities

Elements and Performance Criteria

Preparing for paint work

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

- PC1. enquire with the technician/supervisor and identify the tools, equipment, accessories and materials required for the painting work
- PC2. select and arrange the right material, tools, equipment and accessories as per the SOP and job requirements
- PC3. check the tools, equipment and material for any defects, expiry date etc. before use
- PC4. lift the vehicle body parts manually or by hoist and place the same securely on the designated slot/space as per the work instructions
- PC5. clean the vehicle body or parts properly and ensure that they are free from all dust particles

Preparing paint for painting process

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

- PC6. identify base colour and select appropriate colorants suitable for colour match as per the equipments/ instructions
- PC7. support the technician in mixing specified amount of paint material with additives as per specified ratio by following standard procedure
- PC8. check the paint viscosity and add reducer/ thinner/ water to adjust viscosity of paint mix as per requirement

Apply coatings of paint on the vehicle body

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

- PC9. prepare the spray paint gun appropriately and adjust air pressure and flow of paint gun as required for the job
- PC10. support the technician in applying appropriate coats of paint on vehicle body parts as per the requirements/specification
- PC11. check that paint coverage is uniform and there are no patches on the painted parts

Support technician in post-painting activities

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

- PC12. support in checking the painted parts for any defects and it meets the required quality and characteristics such as thickness, flakiness, peeling, shade match as per shade card
- PC13. tag and store the right quality parts and maintain a record of the same by following organisational policies and procedures
- PC14. clean and store the tools, equipment and process auxiliaries as per organisational guidelines after completion of work
- PC15. clean the workarea properly after completion of work
- PC16. dispose waste material into the disposal area in accordance with the company's policies and environmental regulations

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1. relevant painting standards and procedures followed in the company
- KU2. how to operate paint booth in automatic and manual mode
- KU3. various paints and thinners to be mixed in a specified proportion and frequency in paint tanks
- KU4. how to select & use different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, spray gun, sand papers, putty blades, etc.) and appropriate paint materials and mixing ingredients (such as scrape, base colour, colorants, thinners etc.)
- KU5. process flow of painting operations
- KU6. how to mix the correct amount of paint material as per specified ratio
- KU7. how to adjust viscosity of paint mix as per requirement
- KU8. adhesives used for binding coats of paint such as oil, turpentine, mildew remover
- KU9. time gap or drying time between application of two coats of paints
- KU10. how to check quality parameters such as thickness, flakiness, peeling, shade match as per shade card, corrosion resistance, friction properties, abrasion resistance
- KU11. procedures for the handling and safe use of coating materials and solvents
- KU12. setting up and correct technique for efficient use of spray paint equipment
- KU13. cleaning and maintenance of the spray equipment
- KU14. various types of defects and their effect on paint quality
- KU15. recognition of coating defects and their prevention and/or correction

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1. read and interpret work instructions, equipment manuals and process documents
- GS2. communicate the painting process requirements to the technician and co-workers
- GS3. communicate issues to the supervisor that occur during painting process
- GS4. attentively listen and comprehend the information given by the technician/team members
- GS5. write any work related information in English/regional language
- GS6. recognise a workplace problem and take suitable action

- GS7. analyse and apply the information gathered from observation, experience, reasoning or communication to act efficiently
- GS8. plan and organise tools, equipment and consumables for carrying out painting job
- GS9. complete the assigned tasks within specified timeline and schedule

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for paint work</i>	11	15	-	6
PC1. enquire with the technician/supervisor and identify the tools, equipment, accessories and materials required for the painting work	5	3	-	2
PC2. select and arrange the right material, tools, equipment and accessories as per the SOP and job requirements	3	3	-	2
PC3. check the tools, equipment and material for any defects, expiry date etc. before use	1	3	-	1
PC4. lift the vehicle body parts manually or by hoist and place the same securely on the designated slot/space as per the work instructions	1	3	-	-
PC5. clean the vehicle body or parts properly and ensure that they are free from all dust particles	1	3	-	1
<i>Preparing paint for painting process</i>	5	9	-	4
PC6. identify base colour and select appropriate colorants suitable for colour match as per the equipments/ instructions	2	2	-	1
PC7. support the technician in mixing specified amount of paint material with additives as per specified ratio by following standard procedure	1	4	-	2
PC8. check the paint viscosity and add reducer/ thinner/ water to adjust viscosity of paint mix as per requirement	2	3	-	1
<i>Apply coatings of paint on the vehicle body</i>	6	11	-	4
PC9. prepare the spray paint gun appropriately and adjust air pressure and flow of paint gun as required for the job	2	3	-	1
PC10. support the technician in applying appropriate coats of paint on vehicle body parts as per the requirements/specification	3	6	-	2
PC11. check that paint coverage is uniform and there are no patches on the painted parts	1	2	-	1

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Support technician in post-painting activities</i>	8	15	-	6
PC12. support in checking the painted parts for any defects and it meets the required quality and characteristics such as thickness, flakiness, peeling, shade match as per shade card	2	4	-	2
PC13. tag and store the right quality parts and maintain a record of the same by following organisational policies and procedures	2	4	-	2
PC14. clean and store the tools, equipment and process auxiliaries as per organisational guidelines after completion of work	2	3	-	1
PC15. clean the workarea properly after completion of work	1	2	-	-
PC16. dispose waste material into the disposal area in accordance with the company's policies and environmental regulations	1	2	-	1
NOS Total	30	50	-	20

National Occupational Standards (NOS) Parameters

NOS Code	ASC/N3306
NOS Name	Support the painting technician in painting and post-painting operations
Sector	Automotive
Sub-Sector	Manufacturing
Occupation	Painting & Surface Treatment Operation
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	29/07/2021
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NSQC Clearance Date	29/07/2021

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training centre based on these criteria.
5. In case of successfully passing only certain number of NOSs, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.
6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

Minimum Aggregate Passing % at QP Level : 65

(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

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
ASC/N9803.Organize work and resources (Manufacturing)	50	30	-	20	100	15
ASC/N9802.Interact effectively with colleagues, customers and others	50	30	-	20	100	10
ASC/N3305.Support the painting technician in pre-treatment process	30	50	-	20	100	35
ASC/N3306.Support the painting technician in painting and post-painting operations	30	50	-	20	100	40
Total	160	160	-	80	400	100

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
PwD	Persons with Disability
PPE	Personal Protective Equipment
SOP	Standard Operating Practices
RCDM	Recirculation With De-Mineral Water
ED	Electro Deposition

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.