







Model Curriculum

QP Name: Construction Painter & Decorator

QP Code: CON/Q0503

Version: 3.0

NSQF Level: 3.5

Model Curriculum Version: 3.0

Construction Skill Development Council of India | | Tower 4B, DLF Corporate Park, 201&, 202 4B, Mehrauli-Gurgaon Rd, DLF Phase 3, Gurugram, Haryana 122002







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Training Parameters

| Sector | Construction | |
|---|--|--|
| Sub-Sector | Real Estate and Infrastructure Construction | |
| Occupation | Construction Painting | |
| Country | India | |
| NSQF Level | 3.5 | |
| Aligned to NCO/ISCO/ISIC Code | NCO-2015/7132.0100 | |
| Minimum Educational Qualification and Experience | 11th Grade pass OR Completed 1st year of 3-year diploma after 10th OR 10th grade pass and pursuing continuous schooling OR 8th Grade pass with 3-year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 3-year relevant experience OR Previous relevant Qualification of NSQF Level 3 with 1.5-year relevant experience | |
| Pre-Requisite License or Training | NA | |
| Minimum Job Entry Age | 18 Years | |
| Last Reviewed On | 31/08/2023 | |
| Next Review Date | 31/08/2026 | |
| NSQC Approval Date | 31/08/2023 | |
| QP Version | 3.0 | |
| Model Curriculum Creation Date | 31/08/2023 | |
| Model Curriculum Valid Up to Date | 31/08/2026 | |
| Model Curriculum Version | 3.0 | |







Minimum Duration of the Course420 Hours

Maximum Duration of the Course

420 Hours







Program Overview

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

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills to:

- Describe the process of applying OBD, acrylic and emulsion paints on masonry surfaces.
- Describe the process of applying paint on metallic/ structural steel fabricated assemblies.
- Describe the process of applying, paint, varnish and polish on wooden surfaces.
- Describe the process of carrying out repair of various painting faults.
- Explain the importance of working effectively in a team to deliver desired results at the workplace.
- Elucidate ways to plan and organize work to meet expected outcomes.
- Explain the process of managing workplace for safe and healthy work environment.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

| NOS and Module Details | Theory Duration | Practical Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
|--|--------------------|-----------------------|---|--|-------------------|
| CON/N0515: Interact and engage with customers for paint application service NOS Version- 1.0 NSQF Level- 3.5 | 15:00 | 15:00 | 30:00 | 00:00 | 60:00 |
| Module 1: Introduction to the role of a Construction Painter & Decorator | 05:00 | 00:00 | 00:00 | 00:00 | 05:00 |
| Module 2: Process of interacting and engaging with customers for paint application service | 10:00 | 15:00 | 30:00 | 00:00 | 55:00 |
| CON/N0505: Apply OBD, acrylic and emulsion paints on masonry surfaces NOS Version- 4.0 NSQF Level- 3.5 | 15:00 | 45:00 | 00:00 | 00:00 | 60:00 |
| Module 3: Process of applying OBD, acrylic and emulsion paints on masonry surfaces | 15:00 | 45:00 | 00:00 | 00:00 | 60:00 |









| CON/N0506: Apply paint on metallic/ structural steel fabricated assemblies NOS Version- 4.0 NSQF Level- 3.5 | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
|---|-------|-------|-------|-------|-------|
| Module 4: Process of applying paint on metallic/ structural steel fabricated assemblies | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| CON/N0507: Apply, paint, varnish and polish on wooden surfaces NOS Version- 4.0 NSQF Level- 3.5 | 15:00 | 45:00 | 00:00 | 00:00 | 60:00 |
| Module 5: Process of applying, paint, varnish and polish on wooden surfaces | 15:00 | 45:00 | 00:00 | 00:00 | 60:00 |
| CON/N0510: Carry out repair of various painting faults NOS Version- 4.0 NSQF Level- 3.5 | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| Module 6: Process of carrying out repair of various painting faults | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| CON/N0516: Carry out industrial liquid painting NOS Version- 1.0 NSQF Level- 3.5 | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| Module 7: Process of carrying out industrial liquid painting | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| CON/N0517: Carry out texture coating, waterproofing and wallpaper application NOS Version- 1.0 NSQF Level- 3.5 | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| Module 8: Process of carrying out texture coating, waterproofing and wallpaper application | 15:00 | 15:00 | 00:00 | 00:00 | 30:00 |
| CON/N8001: Work effectively in a team to | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |









| deliver desired results at the workplace NOS Version- 12.0 | | | | | |
|---|--------|--------|-------|-------|--------|
| NSQF Level- 4 | | | | | |
| Module 9: Work effectively in a team to deliver desired results at the workplace | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |
| CON/N8002: Plan and organize work to meet expected outcomes NOS Version- 9.0 NSQF Level- 4 | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |
| Module 10: Plan and organize work to meet expected outcomes | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |
| CON/N9001: Work according to personal health, safety and environment protocols at construction site NOS Version- 10.0 NSQF Level- 4 | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |
| Module 11: Follow safety norms as defined by organization, adopt healthy and safe work practices | 05:00 | 25:00 | 00:00 | 00:00 | 30:00 |
| DGT/VSQ/N0101: Employability Skills NOS Version- 1.0 NSQF Level- 2 | 30:00 | 00:00 | 00:00 | 00:00 | 30:00 |
| Module 12: Employability Skills | 30:00 | 00:00 | 00:00 | 00:00 | 30:00 |
| Total Duration | 150:00 | 240:00 | 30:00 | 00:00 | 420:00 |







Module Details

Module 1: Introduction to the role of a Construction Painter & Decorator *Mapped to CON/N0515 v1.0*

Terminal Outcomes:

• Discuss the job role of a Construction Painter & Decorator.

| Practical – Key Learning Outcomes |
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| board, Marker, Projector, Laptop, Video Films |
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Module 2: Process of interacting and engaging with customers for paint application service Mapped to CON/N0515 v4.0

Terminal Outcomes:

- Explain the process of engaging with the customer.
- Discuss how to estimate the resource requirement.

| Duration: 10:00 | Duration: 15:00 |
|---|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| Explain the procedure of planning and managing painting projects, including determining project timelines, coordinating resources, and ensuring customer satisfaction. Discuss the importance of good communication skills to engage with customers and address their concerns. Explain how to address common surface preparation problems and colour discrepancies Explain the benefits of staying updated with the latest trends, techniques, and innovations in the painting industry, e.g. new paint products, application methods, sustainable practices, and energy-efficient options Discuss the importance of adhering to ethical business practices, including transparency, honesty, and reliability. Explain how to show colour combinations, finish and texture/ design to the customer, using shade cards, and texture / design booklets. Explain how to obtain and review customer feedback for continuous improvement. | Show how to communicate politely and clearly with customers using verbal and non-verbal communication. Demonstrate how to identify customer's painting service requirements and preferences for colour, texture/ design. Show how to address the customer's queries and provide accurate information. Show how to select the most appropriate tools, equipment and method to measure the painting area, e.g. a scale or a tape for linear measurements. Demonstrate how to measure the painting area and calculate the quantity of material required. Show how to identify the tools and equipment required, including PPE, for the job. Demonstrate the estimation of the workforce, time required and the total cost of completing the painting job. Show how to identify and suggest appropriate painting solutions to the customer according to their budget. Show how to discuss the completion date and payment schedule with the customer and document the same. Demonstrate preparing the final invoice and submit it to the customer for payment, after the completion of painting work. |

Classroom Aids

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask,







Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power





Module 3: Process of applying OBD, acrylic and emulsion paints on masonry surfaces *Mapped to CON/N0505 v4.0*

Terminal Outcomes:

- Explain the process of preparing the base surfaces.
- Explain the process of preparing the paint mix.
- Describe the process of applying the paint.

| Theory – Key Learning Outcomes Provide the standard procedure for construction painting works. • State the safety regulations for handling and storing required | Practical – Key Learning Outcomes Demonstrate the process of applying putty to fill gaps and depressions on the surface, as required, to achieve a |
|---|---|
| construction painting works.State the safety regulations for | putty to fill gaps and depressions on |
| Infanting and storing required painting tools, equipment and materials. Explain the importance of personal protection and the use of related safety gears and equipment. Explain the basic schematics relevant to painting. Discuss the principles of measurement, geometry and arithmetic calculation. State the linear conversion of units and units of measurements. Explain the use of different painting tools, such as brushes, rollers, stirrers, scrapers, sand papers, putty blades, etc. State the appropriate painting materials and mixing ingredients, such as scrape, primer, base colour, tint base, colourants, varnishes, enamel, etc. State the standard size of painting tools, materials and components. Describe the methods of protecting adjacent surfaces before painting. Explain how to mix the correct amount of paint material as per the specified ratio. | Demonstrate the process of performing cleaning and maintenance of painting tools and equipment before and after use. Demonstrate the process of preparing the mix of paint material and additives using them in the recommended ratio, following the standard procedure for effective mixing and dilution of paints. Demonstrate how to use reducer/thinner/ water to adjust the viscosity of paint mix, as appropriate. Demonstrate the process of applying primer coat of paint to the leveled surfaces as per specifications. Demonstrate the process of applying the main coat of paint over primer coat within the recommended time limit, followed by the final coat as per the required tint. Demonstrate the process of applying an appropriate tackifier solvent or brush blast to roughen the surface in case recoat time of paint exceeds the specified time. |







nnal opment Corporation Transforming the skill landscape

reducers/thinners used for adjusting viscosity.

- Explain the application of primer.
- List the adhesives used for binding coats of paint, such as oil, and turpentine.
- Describe various methods for surface preparation before painting.
- Elucidate the properties of putty and its use in surface preparation.

Classroom Aids

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power







Module 4: Process of applying paint on metallic/ structural steel fabricated assemblies

Mapped to CON/N0506 v4.0

Terminal Outcomes:

- Explain the process of preparing the base surfaces.
- Explain the process of preparing the paint mix.
- Describe the process of applying paint coatings.

| Duration: 15:00 | Duration: 15:00 |
|---|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| Explain how to set up and operate rotary or impact power tools for painting on metallic surface. Explain the importance of preventing the formation of burrs, sharp ridges and sharp cuts on painted surfaces. Explain how to identify welding defects such as flux, weld spatter and surface defects and the appropriate measures to hide them while painting. Explain how to carry out proper cleaning of bolts, nuts, welds, and field rivet heads. Describe the process of applying different types of primers, such as zinc chromate primer, farrow and ball metal primer, etc. State the recommended time gap between the application of two coats of primer/paints. | Show how to clean the bolts, nuts, welds, field rivet heads, machines, equipment, and work areas appropriately using water, solvents and other cleaning aids. Demonstrate the use of appropriate tools such as rotary or impact power tools to remove rust (rust scale), weld slag, flux and weld spatter. Demonstrate the process of preparing the mix of paint material and additives, using them in the recommended ratio. Demonstrate the process of applying the specified number of primer coats on metal surfaces to prevent any oxidization. Demonstrate how to use an appropriate primer on rusted metal surfaces. Demonstrate the process of applying appropriate coats of paint as per the requirements and allow the recommended drying time between consecutive coats. |
| Classroom Aids | |

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire







Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power







Module 5: Process of applying paint, varnish and polish on wooden surfaces

Mapped to CON/N0507 v4.0

Terminal Outcomes:

- Explain the process of preparing the base surfaces.
- Explain the process of preparing paint and varnish for application.
- Describe the process of applying paint, varnish and polish

| Theory – Key Learning Outcomes | Duration Kaulanning Outcomes |
|---|--|
| , , , , | Practical – Key Learning Outcomes |
| Discuss different wood types, their properties, and how they react to various polishing techniques. Explain how to apply finishes, varnishes, putty, primer, sealants, toners, etc. Explain how to remove accessories before finishing, and mask the areas that should not be exposed to finishing processes or substances. Explain the importance of applying bleaching agents on wood surface. Explain how to apply finishes, varnishes, putty, primer, sealants, toners, etc. Explain how different wood polishing products interact with different wood types. Describe the correct method of polishing wood. Explain the recommended wood surface maintenance techniques. | Practical – Key Learning Outcomes Demonstrate the process of applying bleaching agents on wooden surface using a brush to restore natural color of wood. Show how to treat warped or stained surfaces to restore the original contours and colours. Show how to fill gaps/depressions with appropriate wood filler, as required. Demonstrate how to smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders. Demonstrate the process of preparing the mix of paint material and additives using them in the recommended ratio. Demonstrate the process of applying a primer coat of paint/varnish to the wooden surface as per the specification, and further coat of specified thickness after the primer dries. Demonstrate the process of applying out sanding of the surface using appropriate tools. Demonstrate the process of applying coat of putty/wood filler wood and sand the applied coat to produce smooth surfaces of uniform thickness. Demonstrate the process of applying coat of putty/wood filler wood and sand the applied coat to produce smooth surfaces of uniform thickness. |









specification.

| | Show how to polish the varnished surface using steel wool, pumice, rotten stone or other materials, depending on the desired shine. |
|----------------|---|
| | Show how to select the appropriate polishing products and methods according to the type of wood surface. |
| | Demonstrate how to sand the wood to remove imperfections, and identify and fill cracks or gaps in the wood surface. |
| | Show how to select the appropriate polishing technique based on different wood surfaces and finish requirements. |
| | Demonstrate how to perform stain application and colour matching to match the colour of the wood. |
| | Show the appropriate application method and the drying times for the selected finish. |
| Classroom Aids | |

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power







Module 6: Process of carrying out repair of various painting faults Mapped to CON/N0510 v4.0

Terminal Outcomes:

- Elucidate ways to identify defects in painted surfaces.
- Elucidate ways to undertake the remedial measures.

| Duration: 15:00 | Duration: 15:00 |
|--|---|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| Explain how to adjust the viscosity of paint mix and the use of different reducers/thinners for the purpose. | Demonstrate ways to determine the nature of defect and carry out remedial action as per applicability. |
| Describe the process of applying primer. Elucidate the properties and use of adhesives for binding coats of paint | Demonstrate how to polish the defects with appropriate compound for defects, such as orange peel, blushing, fade, spotting, etc. |
| such as oil, turpentine, and other preparations. Explain how to sand rough spots. List the common painting defects. State different remedial action to be | Show how to flatten the defect using whetstone followed by the application of top coat of paint for defects, such as fish eyes (beads), blemished metallic finish, abrasive marks, etc. |
| taken for resolving different defects. | Show how to flatten the defect using whetstone followed by the application of appropriate primer and a top coat of paint, for defects, such as putty marks and shrinkage. |
| | • Demonstrate how to strip the paint followed by the application of putty and paint subsequently, for defects such as blisters and cracks. |

Classroom Aids

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power







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Module 7: Process of carrying out industrial liquid painting

Mapped to CON/N0516, v1.0

Terminal Outcomes:

- Elucidate ways to plan the work.
- Explain how to prepare the surface and materials.
- Show how to pretreat for coating.
- Show how to apply the paint, dry/ bake/ cure and finish the surface
- Explain how to maintain the tools and equipment.

| Duration: 15:00 | Duration: 15:00 | | | |
|---|--|--|--|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes | | | |
| Explain the properties, durability, chemical resistance, UV resistance, and application methods for different types of coatings used in industrial liquid painting, such as epoxy, polyurethane, acrylic, or enamel. Explain the selection of appropriate coating for specific surfaces and environmental conditions. Discuss the appropriate surface preparation techniques to achieve appropriate adhesion and a high-quality finish. Explain the use of appropriate painting equipment in industrial liquid painting. Determine the work requirements by checking the work plan. Explain how to check the quality of surface preparation as per the standard procedure. | Show how to check the work site for relevant hazards and implement appropriate measures to minimize them. Show how to check the tools, equipment and jigs/ hangers are suitable and ready for use. Demonstrate the appropriate method to clean the substrate, e.g. mechanical or chemical cleaning. Show how to implement appropriate measures to maintain the painting area dust free. Show how to mix the paint/ coating materials and diluents in the recommended ratio to achieve the desired quality. Demonstrate how to prepare and pretreat the substrate as per the standard procedure, removing unwanted coating and loose films from the previously coated substrate. Show how to set up the paint application equipment for use, conducting preoperational tests. Demonstrate how to apply the paint/ coating, operating the paint application equipment appropriately to achieve the desired colour and opacity. Show how to dry/ cure/ bake the applied coating, and take appropriate Show how to clean up the worksite after work and place the waste and discarded materials into appropriate waste bins. Show how to perform basic repair and maintenance of the tools and equipment, and the coating and maintenance of the tools and equipment, and procedure is a standard procedure. | | | |







e.g. cleaning and greasing, and store them safely.

• Show how to clean the jigs/ hangers as per the standard procedure.

Classroom Aids

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power





Module 8: Process of carrying out texture coating, waterproofing and wallpaper application

Mapped to CON/N0517, v1.0

Terminal Outcomes:

- Explain ways to apply texture coat and decorative paint finishes
- Show how to carry out waterproofing.
- Explain how to carry out wallpaper application.

| Duration: 15:00 | Duration: 15:00 |
|--|---|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| Explain the properties, application methods, curing times, and compatibility of waterproofing systems with different surfaces. Describe the criteria for selecting the appropriate waterproofing system for specific areas or substrates. Explain the various surface preparation techniques for effective waterproofing. Determine the wallpaper application requirements and plan accordingly. Explain the properties, including texture, pattern, durability, and application methods for different types of wallpapers available, such as vinyl, non-woven, fabric, or grasscloth. Discuss the procedure of accurately measuring the wall dimensions and estimating the required amount of wallpaper. Explain the appropriate adhesive selection, mixing ratios, and use of appropriate tools, such as brushes or rollers, for proper adhesive application. Discuss how to align patterns vertically or horizontally to achieve a seamless transition between wallpaper strips. | Show how to determine the work requirements concerning the application of texture coat and other decorative paint finishes. Demonstrate how to select the appropriate materials, tools and equipment for the selected texture coat/ decorative paint finishes. Show how to mix and adjust the texture coat/decorative paint finish viscosity for application. Demonstrate how to apply texture paint using spray equipment to achieve the specified finish. Show how to identify defects in the coating and take appropriate corrective measures to achieve the required finish. Show how to select the appropriate application method based on the area and type of surface and waterproofing material. Demonstrate how to apply the waterproofing material appropriately following the selected application method. Show how to identify issues with waterproofing and take appropriate corrective measures. Show how to select the appropriate surface and waterpropriate corrective measures. Show how to identify issues with waterproofing and take appropriate tools and equipment for wallpaper application and check their suitability for use. Show how to select the appropriate tools and equipment for wallpaper application and check their suitability for use. Show how to select the appropriate surface preparation method according to the substrate, finish and environmental requirements. Demonstrate how to prepare the surface for wallpaper application by removing the existing coating/ wallpaper, and loose |







debris, repairing, stopping and filling imperfections, and sanding.

 Show how to apply wallpaper to the prepared wall and trim the wallpaper appropriately around the fittings.

Classroom Aids

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

Measuring Tape/Rule, Measuring Tape, Ladder, Scale, Square, Water Level Tube, Spirit Level, Plumb Bob, Rollers, Brushes, Paint Bucket, Sponges, Dusting Brush, Tack Rags, Paint Stirrers, Sand Paper, Masking Tape, Wall Scrappers, Scraper, Putty Knife, Chisel Knife, Knotting Brush, Nail Punch, Hammer, Dust Masks, Wire Brushes, Safety Goggles, Filling Knife, Filling Board, Painting Edger, Sanders/Grinders, Safety Helmets, Hand Gloves, Safety Shoes, Safety Harness, Nose Mask, Overalls, Knee Pad, Pencil, Reflective Jackets, Face Shield, Safety Belts, Ear Plugs, Fire Extinguisher, Fire Prevention Kit, First Aid Box, Safety Tags, Safety Notice Board, Tool Box with Lock and Key, Rotary / Impact Power







Module 9: Work effectively in a team to deliver desired results at the workplace

Mapped to CON/N8001 v12.0

Terminal Outcomes:

- Explain the importance of interacting and communicating in an effective manner.
- Elucidate ways to support co-workers to execute the project requirements.
- Elucidate ways to practice inclusion at workplace.

| Duration: 05:00 | Duration: 25:00 | | |
|---|--|--|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes | | |
| Elucidate own roles and responsibilities. Explain the importance of effective communication. Elucidate the consequence of poor teamwork on project outcomes, timelines, safety at the construction site, etc. Explain different modes of communication used at workplace. Explain the importance of creating healthy and cooperative work environment among the gangs of workers. Elucidate applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement. Explain the importance of proper and effective communication and the expected adverse effects in case of failure relating to quality, timeliness, safety, risks at the construction project site. Explain the importance and need of supporting co-workers facing problems for the smooth functioning of work. Discuss the fundamental concept of gender equality. Explain how to recognise and be sensitive to issues of disability, culture and gender. | Demonstrate how to pass on work related information/ requirement clearly to the team members. Show how to report any unresolved problem to the supervisor immediately. Demonstrate ways to hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams. Demonstrate ways to work together with co-workers in a synchronized manner. Demonstrate effective implementation of gender neutral practices at workplace. Demonstrate ways to address discriminatory and offensive behaviour in a professional manner as per organizational policy. | | |







 Discuss legislation, policies, and procedures relating to gender sensitivity and cultural diversity including their impact on the area of operation.

Classroom Aids

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

NA







Module 10: Plan and organize work to meet expected outcomes Mapped to CON/N8002 v9.0

Terminal Outcomes:

- Elucidate ways to plan and prepare for work.
- Explain the importance of organising required resources as per work plan.
- Explain the importance of completing work as per the plan.

| uration: 05:00 | Duration: 25:00 | | |
|---|---|--|--|
| neory – Key Learning Outcomes | Practical – Key Learning Outcomes | | |
| Explain the importance of proper housekeeping including safe waste disposal. Discuss policies, procedures and work targets set by superiors. | Demonstrate ways to determine the work requirements corresponding to task (drawings/schedules/instructions/m ethodology), safety, tools and | | |
| Explain how to identify work | equipment prior to commencement of task. | | |
| activities that need to be planned and organized. | Show how to prepare the work areas in coordination with team members. | | |
| • Explain how to determine the task requirements. | Demonstrate the procedures for organizing the required materials, | | |
| Explain how to determine the quality requirements related to the task. | tools and tackles required for the task. | | |
| Elucidate how to undertake all aspect of planning and organizing the task, including interpretation of task, | Demonstrate how to use resources in an optimum manner to avoid any unnecessary wastage. | | |
| reading drawing/schedules, arranging resources, reporting problems etc. | Demonstrate the practices to use tools, tackles and equipment carefully to avoid damage. | | |
| Explain how to implement the planned activities. | Show how to clean and organise the workplace after completion of task. | | |

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

NA







Module 11: Work according to personal health, safety and environment protocols at construction site Mapped to NOS CON/N9001 v10.0

Terminal Outcomes:

- Explain the importance of following safety norms as defined by organization.
- Explain the need to adopt healthy & safe work practices.
- Describe the process of implementing good housekeeping and environment protection process and activities.
- Explain the importance of following infection control guidelines as per applicability.

| Duration: 05:00 Theory – Key Learning Outcomes | Duration: 25:00 Practical – Key Learning Outcomes |
|---|---|
| Describe the reporting procedures in cases of breaches or hazards for site safety, accidents, and emergency situations as per guidelines. | Demonstrate how to follow emergency and evacuation procedures in case of accidents, fires or natural calamities. |
| Explain different types of safety hazards at construction sites. Discuss basic ergonomic principles as per applicability. | Show how to operate different types of fire extinguishers corresponding to various types of fires as per EHS guideline. |
| Describe the procedure for responding to accidents and other emergencies at site. | Demonstrate the use of appropriate Personal Protective Equipment (PPE) as per work requirements for Head Protection, Ear Protection, Fall |
| Explain the importance of handling tools, equipment, and materials as per applicable norms. | Protection, Ear Protection, Pair Protection, Foot Protection, Face and Eye Protection, Hand and Body Protection, and Respiratory Protection (if required). |
| Explain the effect of construction material on health and environments as per applicability. | Demonstrate how to check and install all safety equipment as per standard guidelines. |
| Describe various environmental protection methods as per applicability. Evaluation the storage requirement of | Show how to collect, segregate and deposit construction waste into appropriate containers based on |
| Explain the storage requirement of waste including non-combustible scrap material and debris, combustible scrap material and debris, general construction waste and trash (non-toxic, non- hazardous), any other hazardous wastes and any other flammable wastes at the appropriate location. | Show how to clean and disinfect all materials, tools and supplies before and after use. |
| Explain how to use hazardous material in a safe and appropriate | |

manner as per applicability.









- Explain types of fire.
- Describe the procedure of operating different types of fire extinguishers.
- State safety relevant to tools, tackles, and equipment as per applicability.
- List housekeeping activities relevant to task.
- Elucidate ways of transmission of infection
- Elucidate ways to manage infectious risks at the workplace.
- Describe different methods of cleaning, disinfection, sterilization, and sanitization.
- List the symptoms of infection like fever, cough, redness, swelling, and inflammation.

Classroom Aids:

Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids

Tools, Equipment and Other Requirements

Leather Hand Gloves, Jump suit, Wire brush, Hand and Leg guard leather, Safety goggles, Nose mask, Ear protection, Fire extinguishers, Sand buckets Flashback arrestors, Welding helmet, Welding glass, Fire Extinguisher, Fire prevention kit, First Aid box, Safety tags, Safety Notice board







Module 12: Employability Skills Mapped to NOS DGT/VSQ/N0101 v1.0

| Duration: 30:00 |
|--|
| Key Learning Outcomes |
| Introduction to Employability Skills Duration: 1 Hour |
| After completing this programme, participants will be able to: |
| 1. Discuss the importance of Employability Skills in meeting the job requirements |
| Constitutional values - Citizenship Duration: 1 Hour |
| 2. Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. |
| that are required to be followed to become a responsible citizen. |
| 3. Show how to practice different environmentally sustainable practices |
| Becoming a Professional in the 21st Century Duration: 1 Hours |
| 4. Discuss 21st century skills. |
| 5. Display positive attitude, self -motivation, problem solving, time management skills and |
| continuous learning mindset in different situations. |
| Basic English Skills Duration: 2 Hours |
| 6. Use appropriate basic English sentences/phrases while speaking |
| Communication Skills Duration: 4 Hour |
| 7. Demonstrate how to communicate in a well -mannered way with others. |
| 8. Demonstrate working with others in a team |
| Diversity & Inclusion Duration: 1 Hour |
| 9. Show how to conduct oneself appropriately with all genders and PwD |
| 10. Discuss the significance of reporting sexual harassment issues in time |
| Financial and Legal Literacy Duration: 4 Hours |
| 11. Discuss the significance of using financial products and services safely and securely. |
| 12. Explain the importance of managing expenses, income, and savings. |
| 13. Explain the significance of approaching the concerned authorities in time for any exploitation |
| as per legal rights and laws |
| Essential Digital Skills Duration: 3 Hours |
| 14. Show how to operate digital devices and use the associated applications and features, safely |
| and securely |
| 15. Discuss the significance of using internet for browsing, accessing social media platforms, |
| safely and securely |
| Entrepreneurship Duration: 7 Hours |
| 16. Discuss the need for identifying opportunities for potential business, sources for arranging |
| money and potential legal and financial challenges Customer Service Duration: 4 Hours |
| 17. Differentiate between types of customers |
| |
| 18. Explain the significance of identifying customer needs and addressing them 19. Discuss the significance of maintaining hygiene and dressing appropriately |
| |
| Getting ready for apprenticeship & Jobs Duration: 2 Hours 20. Create a biodata |
| |
| 21. Use various sources to search and apply for jobs |
| 22. Discuss the significance of dressing up neatly and maintaining hygiene for an interview |
| 23. Discuss how to search and register for apprenticeship opportunities |







Module 13: On-the-Job Training Mapped to Construction Painter & Decorator

| Mandatory Duration: 30:00 | Recommended Duration: 00:00 | | |
|---|--|--|--|
| Location: On-Site | | | |
| Terminal Outcomes | | | |
| • Explain the standard procedure for construct | ction painting works. | | |
| Apply putty to fill gaps and depressions or surface. | n the surface, as required, to achieve a level | | |
| • Prepare the mix of paint material and addit | ives, using them in the recommended ratio. | | |
| • Apply a primer coat of paint/varnish to the further coat of specified thickness after the | wooden surface as per the specification, and primer dries. | | |
| Polish the varnished surface using steel we depending on the desired shine. | ool, pumice, rotten stone or other materials, | | |
| Polish the defects with appropriate compour fade, spotting, etc. | and for defects, such as orange peel, blushing, | | |
| • Strip the paint followed by the application such as blisters and cracks. | of putty and paint subsequently, for defects | | |

• Operate different types of fire extinguishers corresponding to various types of fires as per EHS guideline.







Annexure

Trainer Requirements

| Trainer Prerequisites | | | | | | |
|---------------------------------------|----------------------------------|---------------------------------|--------------------------|---------------------|----------------|---------|
| Minimum Educational | Specialisation | Relevant Industry Experience | | Training Experience | | Remarks |
| Qualification | | Years | Specialization | Years | Specialization | |
| B. Tech | Civil/Mechanic al/ Electrical | 2 | Construction Painting | 0 | - | |
| Diploma | Civil/Mechanic al/ Electrical | 3 | Construction Painting | 0 | - | |
| ITI | Civil/Mechanic al/ Electrical | 6 | Construction Painting | 0 | - | |
| General BA/BSc./ EX- Army/ 12th | Civil/Mechanic al/ Electrical | 6 | Construction Painting | 0 | - | |

| Trainer Certification | | | | | |
|---|---|--|--|--|--|
| Domain Certification Platform Certification | | | | | |
| Certified for Job Role "Construction Painter & Decorator", mapped to QP: "CON/Q0503, v3.0", Minimum accepted score is 80% | Recommended that the Trainer is certified for the Job Role: "Trainer (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2601, v2.0". The minimum accepted score as per MEPSC guidelines is 80%. | | | | |







Assessor Requirements

| Assessor Prerequisites | | | | | | |
|---------------------------|--|---------------------------------|--------------------------|-------|-----------------------------------|--|
| Minimum Educational | Specialization | Relevant Industry Experience | | | Training/Assessment Experience | |
| Qualification | | Years | Specialization | Years | Specialization | |
| ITI/12th | Any domain | 8 | Construction Painting | 0 | - | |
| Diploma in Engineering | Civil Engineering/ Mechanical Engineering/ Manufacturing/ Mathematics/ Physics degree | 5 | Construction Painting | 0 | - | |
| Graduate | Civil Engineering/ Mechanical Engineering | 3 | Construction Painting | 0 | - | |

| Assessor Certification | | | | | |
|--|--|--|--|--|--|
| Domain Certification | Platform Certification | | | | |
| Certified for Job Role "Construction Painter & Decorator", mapped to QP: "CON/Q0503 v3.0", Minimum accepted score is 80% | Recommended that the Assessor is certified for the Job Role: "Assessor (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2701, v2.0", with a minimum score of 80%. | | | | |







Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Assessment System Overview:

- Batches assigned to the assessment agencies for conducting the assessment on SIP
- The batch allocation Matrix prepared for each month based on previous months' performance of AAs, which determines the quantum of Assessment which can be allocated to each AA for a month
- Post allocation of assessment, Assessment agencies send the assessment confirmation to SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process.

2. Testing Environment:

- A combination of Theory and practical/demonstration test is deployed to assess knowledge and Skill respectively of Learners.
- Assessment is conducted at Training center in in-person/offline mode
- For Skill assessment, environment is simulated to create a realistic Working Environment that should replicate the key features of the workplace. In job roles, where it is difficult to replicate the same, the OJT assessment is implemented.
- During the practical task, trainees are assessed on their workmanship, quality of finished product, time management, etc., based on the performance criteria (PC), knowledge and understanding and their professional and soft skills as specified in the qualification pack.
- Knowledge assessment is done through closed ended questions up to level 4 and from level 5 onwards, it is mixture of open ended and closed ended questions

3. Assessment Quality Assurance levels/Framework

- Assessment criteria is developed for each QP which acts as a guide for developing question set /banks
- Sample questions aligned with Assessment criteria for each QP are developed by SSC and validated by industry
- Taking reference of Assessment criteria and Sample Questions, AAs create the question bank which is further validated by SSC
- Questions are mapped to the specified assessment criteria
- It is mandatory that Assessor and Trainer must be ToA certified & ToT Certified respectively
- Continuous Monitoring through virtual and In-person mode are conducted to ensure the assessment is conducted as per stipulated process
- Process and Technical audit of assessment batches by quality team are conducted to avoid the errors in assessment process







- A well -defined comprehensive framework of NON-COMPLIANCE MATRIX is defined and implemented to identify the non-compliance made by assessor and AA and punitive actions are taken correspondingly.
- The capacity building sessions are conducted regularly for assessors and assessment agencies to update them about best practices in assessment

4. Types of evidence or evidence-gathering protocol:

- Post Assessment, the evidences are uploaded by Assessor to assessment agency and further assessment agency to SSC as per stipulated TAT
- Evidences are broadly the photographic and video graphic in nature
- Assessment agencies upload the evidence on SIP and detailed evidence on SSC digital platform (ZoHO)
- Evidences are; NOS wise-Geotagged photographs and videos of Theory Test & Practical Tasks, Attendance sheet, result summary sheet, group photographs.

5. Method of verification or validation:

- The process and technical audit of assessment batches are done by SSC
- Attendance of each candidate is verified and it is ensured that only those candidates are assessed by assessors who are meeting the stipulated minimum percentage of attendance
- The result of each candidate is verified, it is verified that that result on SIP are matching with respect to summary sheet submitted by AAs
- Under detailed technical audit for sample of batches, the knowledge and skill assessment results for each candidate is checked in technical aspect.
- All the evidences of batches are preserved on server of SSC digital platform

On the Job:

 On job training (OJT), candidates undergo training and leaning at actual workplace for a fixed period of time and a certain weightage of assessment is allocated out of total skill weightage of Qualification Pack for undergoing OJT as stipulated by CSDCI. This OJT score and assessors' end point score are combined to arrive at final Marking/grading of trainees' skill test. The OJT score is determined by Supervisor of company under which candidates undergo on job training.



References





Glossary

| Term | Description |
|-----------------------|---|
| Declarative Knowledge | Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem. |
| Key Learning Outcome | Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application). |
| OJT (M) | On-the-job training (Mandatory); trainees are mandated to complete specified hours of training on site |
| OJT (R) | On-the-job training (Recommended); trainees are recommended the specified hours of training on site |
| Procedural Knowledge | Procedural knowledge addresses how to do something, or how to perform a task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psychomotor skills. |
| Training Outcome | Training outcome is a statement of what a learner will know, understand and be able to do it upon the completion of the training. |
| Terminal Outcome | Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome. |







Acronyms and Abbreviations

| Term | Description |
|-------|---|
| QP | Qualification Pack |
| NSQF | National Skills Qualification Framework |
| NSQC | National Skills Qualification Committee |
| NOS | National Occupational Standards |
| CSDCI | Construction Skill development Council of India |
| MCQ | Multiple Choice Question |
| EHS | Environment Health and Safety |
| IPS | Indian Patent Stone |
| VDF | Vacuum Dewatering Flooring |