



# Model Curriculum

## 1. Construction Painter and Decorator

**SECTOR: Construction**

**SUB-SECTOR: Real Estate and Infrastructure Construction**

**OCCUPATION: CONSTRUCTION PAINTING**

**REF ID: CON/Q0503, V1.0**

**NSQF LEVEL: 3**



  

# Certificate

**CURRICULUM COMPLIANCE TO  
QUALIFICATION PACK – NATIONAL OCCUPATIONAL  
STANDARDS**

is hereby issued by the

**CONSTRUCTION SECTOR SKILLS COUNCIL**

for the

**MODEL CURRICULUM**

Complying to National Occupational Standards of  
Job Role/ Qualification Pack: '**Construction Painter & Decorator**' QP No. '**CON/ Q 0503 NSQF Level 3**'

Date of issuance: December 31st, 2015  
Valid up to: March 23<sup>rd</sup>, 2017

*Chakravarti*  
Authorised Signatory  
(Construction Skill Development Council)

\* Valid up to the next review date of the Qualification Pack



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# Construction Painter and Decorator

## CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Construction Painter and Decorator”, in the “Construction” Sector/Industry and aims at building the following key competencies amongst the learner

<b>Program Name</b>	<b>Construction Painter and Decorator</b>		
<b>Qualification Pack Name &amp; Reference ID. ID</b>	CON/Q0503, v1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	20-09-2016
<b>Pre-requisites to Training</b>	Preferably 5 <sup>th</sup> standard pass		
<b>Training Outcomes</b>	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"><li>• <b>Gain insight into Construction Painter and Decorator job role and its career progression:</b> - General introduction to job role, role of a Construction Painter and Decorator in construction industry along with the future possible career development provisions.</li><li>• <b>Apply OBD, acrylic and emulsion paints on various finished masonry surfaces:-</b> Select and use tools, materials and equipment for application of OBD, acrylic and emulsion paints on various finished masonry surfaces</li><li>• <b>Apply paint on metallic/ structural steel fabricated assemblies:</b> - Select and use tools, materials and equipment for application of paints on various metallic and structural steel fabricated assemblies</li><li>• <b>Apply, paint ,varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces:-</b> Select and use tools, materials and equipment for application of paint, varnish and polish on wooden doors, windows, partitions ,panels and other wooden surfaces.</li><li>• <b>Carry out minor repair of various painting faults:</b> - Select and use tools, materials and equipment for carrying out minor repairs of various painting faults.</li><li>• <b>Work effectively in a team to deliver desired results at the workplace :-</b> Organised working procedure within a team at site</li><li>• <b>Plan and organize work to meet expected outcomes:-</b> Prioritizing activities and organising resources to meet desired outcome</li><li>• <b>Work according to personal health, safety and environment protocol at construction site:</b> - Importance of Health &amp; Safety aspects &amp; measures to be followed while working at site</li></ul>		

This course encompasses 7 out of 7 National Occupational Standards (NOS) of “Construction Painter and Decorator” Qualification Pack issued by “Construction Skill Development Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p><b>Introduction</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p> <p><b>Practical Duration</b> (hh:mm) 00:00</p>	<ul style="list-style-type: none"> <li>• Role description/ functions of the job role</li> <li>• Expected personal attributes from the job role</li> <li>• Brief description about course content, mode of learning and duration of course</li> <li>• Future possible progression and career development provisions on completion of the course</li> </ul>	<ol style="list-style-type: none"> <li>1. Classroom having seating requirement for 30 people.</li> <li>2. Projector</li> <li>3. Blackboard</li> </ol>
2	<p><b>Apply OBD, acrylic and emulsion paints on various finished masonry surfaces</b></p> <p><b>Theory Duration</b> (hh:mm) 12 :00</p> <p><b>Practical Duration</b> (hh:mm) 76 :00</p> <p><b>Corresponding NOS Code</b> CON/N0505</p>	<p><b>Theory:-</b></p> <ul style="list-style-type: none"> <li>• Units of measurement</li> <li>• Basic principles of measurement, geometry and arithmetic calculation</li> <li>• Linear conversion of units</li> <li>• Rough estimation of paint requirement</li> <li>• Selection and use of different painting tools (such as brushes, rollers , painting bucket, stirrers, scrapers ,sand papers, putty blades, etc.)</li> <li>• Selection and use of different painting materials and mixing ingredients such as paint, primer, base colour, tint base, colorants, varnishes, enamel, etc.</li> <li>• Different type of paints such as OBD, acrylic and emulsion paints and their use.</li> <li>• Different types of primers and their use</li> <li>• Knowledge of standard specifications of all tools ,equipment and components required for painting works</li> <li>• Masking of adjacent area for protection against paint splatter and damage prior to painting</li> <li>• Mixing and proportioning of paints as per specified ratios</li> <li>• Different type of reducers and thinners for adjusting viscosity of paints</li> <li>• Knowledge about adjusting the viscosity of paints</li> <li>• Knowledge about application of primer as per requirement</li> <li>• Various types of adhesives used for binding coats of paint such as oil, turpentine etc.</li> <li>• Various methods of surface preparation including mildew remover, sand rough spots or other preparations.</li> <li>• Different type of putties and their application</li> <li>• Process of application of putty</li> <li>• Different tackifier solvents used</li> </ul>	<ol style="list-style-type: none"> <li>1. Work shop for practical assessment</li> <li>2. Toilet/Urinals (Separate for gents and Ladies)</li> <li>3. Tool box with lock and key</li> <li>4. Measuring tape/rule,</li> <li>5. Ladder</li> <li>6. Measuring tape</li> <li>7. Scale</li> <li>8. Square</li> <li>9. Water level tube</li> <li>10. Spirit level</li> <li>11. Plumb bob</li> <li>12. Rollers</li> <li>13. Brushes</li> <li>14. paint bucket</li> <li>15. sponges</li> <li>16. dusting brush</li> <li>17. tack rags</li> <li>18. paint stirrers</li> <li>19. sand paper</li> <li>20. masking tape</li> <li>21. wall scrapers</li> <li>22. scraper,</li> <li>23. putty knife</li> <li>24. chisel knife</li> <li>25. knotting brush</li> <li>26. nail punch,</li> <li>27. Hammer</li> <li>28. dusting brush</li> <li>29. dust masks</li> <li>30. wire brushes</li> <li>31. goggles</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>• Process of application of tackifier solvents for recoat works</li> </ul> <p><b><u>Demonstration/ Practical :-</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate the checks to be carried out for visual inspection of area prior to painting</li> <li>• Ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints.</li> <li>• Demonstrate application of putty to fill gaps/depressions on the masonry surface to be painted</li> <li>• Demonstrate preparation of a levelled surface for application of paints.</li> <li>• Demonstrate masking/covering of all adjacent surfaces and removing of fixtures prior to painting.</li> <li>• Demonstrate selection of painting material and mixing ingredients as per requirement /specified finish</li> <li>• Demonstrate selection of base colour and other colourants suitable for colour match</li> <li>• Demonstrate mixing of specified amount of paint material with additives as per specified ratio</li> <li>• Demonstrate effective mixing and dilution of paints and adjustment of viscosity as per standard procedure.</li> <li>• Demonstrate application of primer coat to finishes/levelled masonry surface</li> <li>• Demonstrate application of main coat of paint to primer applied surface upon drying of primer coat.</li> <li>• Demonstrate application of final coat to main coat applied masonry surface</li> <li>• Demonstrate application of tackifier solvents for recoat work</li> <li>• Demonstrate cleaning of surface of each dried coat appropriately before application the subsequent coat</li> </ul>	32. filling knife 33. filling board 34. Painting edger  <p style="text-align: center;"><b><u>PPE'S</u></b></p> 1. Safety helmets 2. Hand gloves 3. Safety shoes 4. Safety harness 5. Nose mask 6. Overalls      Knee pad 7. Reflective jackets 8. Pencil
3	<p><b>Apply paint on metallic / structural steel fabricated assemblies</b></p> <p><b>Theory Duration</b> (hh:mm) 12:00</p> <p><b>Practical Duration</b> (hh:mm) 68:00</p>	<p><b><u>Theory:-</u></b></p> <ul style="list-style-type: none"> <li>• Simple sketches related to painting works.</li> <li>• Basic principles of measurement, geometry and arithmetic calculation</li> <li>• Linear conversion of units</li> <li>• Rough estimation of paint requirement</li> <li>• Selection and use of different painting tools (such as brushes, rollers , painting bucket, stirrers, scrapers ,sand papers, putty blades, etc.)</li> </ul>	1. Work shop for practical assessment 2. Toilet/Urinals (Separate for gents and Ladies) 3. Tool box with lock and key 4. Measuring tape/rule, 5. Ladder

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p><b>Corresponding NOS Code</b> CON/N0506</p>	<ul style="list-style-type: none"> <li>• Selection and use of different painting materials and mixing ingredients such as paint, primer, base colour, tint base, colorants, varnishes, enamel, etc.</li> <li>• Different type of paints use don metallic surface.</li> <li>• Different types of primers and their use</li> <li>• Knowledge of standard specifications of all tools ,equipment and components required for painting works</li> <li>• Masking of adjacent area for protection against paint splatter and damage prior to painting</li> <li>• Mixing and proportioning of paints as per specified ratios</li> <li>• Different type of reducers and thinners for adjusting viscosity of paints</li> <li>• Knowledge about adjusting the viscosity of paints</li> <li>• Various types of adhesives used for binding coats of paint such as oil, turpentine etc.</li> <li>• Various methods of surface preparation including mildew remover, sand rough spots or other preparations.</li> <li>• Process of setting up and operating rotary or impact power tools for preparation of metallic surface prior to painting</li> <li>• importance of preventing the formation of burrs, sharp ridges and sharp cuts</li> <li>• Different types of welding defects such as flux, weld spatter and surface defects etc</li> <li>• Ways to hide the welding defects while painting</li> <li>• Process of carrying out proper cleaning of all bolts, nuts, welds, and field rivet heads</li> <li>• Process of application of different type of primers such as zinc – chromate primer, farrow and ball metal primer</li> <li>• Time gap between application of two coats of primer/paints</li> </ul> <p><b><u>Demonstration/ Practical :-</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate reading of sketches and interpretation of information for painting works</li> <li>• Demonstrate the visual checks to be carried out for inspection of surface prior to painting</li> <li>• Ensure the removal of all loose mill scale, loose rust, loose paint and other loose</li> </ul>	<ol style="list-style-type: none"> <li>6. Measuring tape</li> <li>7. Scale</li> <li>8. Square</li> <li>9. Water level tube</li> <li>10.Spirit level</li> <li>11.Plumb bob</li> <li>12.Rollers</li> <li>13.Brushes</li> <li>14.paint bucket</li> <li>15.sponges</li> <li>16.dusting brush</li> <li>17.tack rags</li> <li>18.paint stirrers</li> <li>19.sand paper</li> <li>20.masking tape</li> <li>21.wall scrappers</li> <li>22.scraprer,</li> <li>23.putty knife</li> <li>24.chisel knife</li> <li>25. knotting brush</li> <li>26. nail punch,</li> <li>27.Hammer</li> <li>28.dusting brush</li> <li>29. dust masks</li> <li>30.wire brushes</li> <li>31. goggles</li> <li>32. filling knife</li> <li>33. filling board</li> <li>34.Painting edger</li> <li>35.Rotary /impact power tools</li> </ol> <p><b><u>PPE'S</u></b></p> <ol style="list-style-type: none"> <li>1. Safety helmets</li> <li>2. Hand gloves</li> <li>3. Safety shoes</li> <li>4. Safety harness</li> <li>5. Nose mask</li> <li>6. Overalls Knee pad</li> <li>7. Reflective jackets</li> <li>8. Pencil</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>detrimental foreign matter prior to application of paint.</p> <ul style="list-style-type: none"> <li>• Ensure that fabricated steel /metallic items are cleaned, washed, stripped of previous paints and corrosion and surface is levelled evenly by filling depressions with appropriate fillers.</li> <li>• Demonstrate use of power tools to remove rust (rust scale), weld slag, flux and weld spatter etc.</li> <li>• Demonstrate selection of painting material and mixing ingredients as per requirement /specified finish</li> <li>• Demonstrate selection of base colour and other colourants suitable for colour match</li> <li>• Demonstrate mixing of specified amount of paint material with additives as per specified ratio</li> <li>• Demonstrate effective mixing and dilution of paints and adjustment of viscosity as per standard procedure</li> <li>• Demonstrate application of primer coat to finishes/levelled fabricated/structural steel assembly.</li> <li>• Demonstrate application of appropriate primer coat for rusted metal surface</li> <li>• Demonstrate application of subsequent coat of paint to primer applied surface upon drying of primer coat.</li> </ul>	
4	<p><b>Apply, paint ,varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces</b></p> <p><b>Theory Duration</b> (hh:mm) 12:00</p> <p><b>Practical Duration</b> (hh:mm) 68:00</p> <p><b>Corresponding NOS Code</b> CON/N0507</p>	<p><b>Theory:-</b></p> <ul style="list-style-type: none"> <li>• Simple sketches related to painting works.</li> <li>• Basic principles of measurement, geometry and arithmetic calculation</li> <li>• Linear conversion of units</li> <li>• Rough estimation of paint requirement</li> <li>• Selection and use of different painting tools such as brushes, rollers , painting bucket, stirrers, scrapers ,sand papers, putty blades, etc.</li> <li>• Different type of painting related ingredients such as paint, stain, lacquer, shellac, or varnish, etc and their use.</li> <li>• Different types of primers and their use</li> <li>• Knowledge of standard specifications of all tools ,equipment and components required for painting works</li> <li>• Masking of adjacent area for protection against paint splatter and damage prior to painting</li> <li>• Mixing and proportioning of paints as per specified ratios</li> <li>• Different type of reducers and thinners for adjusting viscosity of paints</li> </ul>	<ol style="list-style-type: none"> <li>1. Work shop for practical assessment</li> <li>2. Toilet/Urinals (Separate for gents and Ladies)</li> <li>3. Tool box with lock and key</li> <li>4. Measuring tape/rule,</li> <li>5. Ladder</li> <li>6. Measuring tape</li> <li>7. Scale</li> <li>8. Square</li> <li>9. Water level tube</li> <li>10.Spirit level</li> <li>11.Plumb bob</li> <li>12.Rollers</li> <li>13.Brushes</li> <li>14.paint bucket</li> <li>15.sponges</li> <li>16.dusting brush</li> </ol>



Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>• Knowledge about adjusting the viscosity of paints</li> <li>• Various types of adhesives used for binding coats of paint such as oil, turpentine etc.</li> <li>• importance of applying bleaching agents on wood surface</li> <li>• Different types of wood fillers</li> <li>• Process of application of finishes, varnishes, putty, primer, sealants, toners, etc.</li> <li>• Process of polishing of wood</li> </ul> <p style="text-align: center;"><b><u>Demonstration/ Practical :-</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate the visual checks to be carried out for physical inspection of surface for suitability</li> <li>• Ensure surface is free of all loose &amp; detrimental foreign matter prior to application of paints.</li> <li>• Demonstrate application of bleaching agents to wood surface for restoration of natural colour of wood.</li> <li>• Demonstrate treating of warped or stained surfaces as per specification to restore original contours and colours</li> <li>• Demonstrate application of appropriate wood fillers to fill gaps/depressions on the surface to be painted</li> <li>• Demonstrate preparation of a smooth and levelled surface for painting by sanding and shaping using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders</li> <li>• Demonstrate masking/covering of all adjacent surfaces and removing of fixtures prior to painting.</li> <li>• Demonstrate selection of painting material and mixing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification/instructions and as per requirement /specified finish</li> <li>• Demonstrate selection of colourants suitable for colour match</li> <li>• Demonstrate mixing of specified amount of paint material with additives as per specified ratio</li> <li>• Demonstrate effective mixing and dilution of paints and adjustment of viscosity as per standard procedure.</li> <li>• Demonstrate application of primer coat to finishes/levelled wood surface</li> </ul>	<ul style="list-style-type: none"> <li>17.tack rags</li> <li>18.paint stirrers</li> <li>19.sand paper</li> <li>20.masking tape</li> <li>21.wall scrappers</li> <li>22.scrapers,</li> <li>23.putty knife</li> <li>24.chisel knife</li> <li>25. knotting brush</li> <li>26. nail punch,</li> <li>27.Hammer</li> <li>28.dusting brush</li> <li>29. dust masks</li> <li>30.wire brushes</li> <li>31. goggles</li> <li>32. filling knife</li> <li>33. filling board</li> <li>34.Painting edger</li> <li>35.Sanders/grinders</li> </ul> <p style="text-align: center;"><b><u>PPE'S</u></b></p> <ul style="list-style-type: none"> <li>1. Safety helmets</li> <li>2. Hand gloves</li> <li>3. Safety shoes</li> <li>4. Safety harness</li> <li>5. Nose mask</li> <li>6. Overalls      Knee pad</li> <li>7. Reflective jackets</li> <li>8. Pencil</li> </ul>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>• Demonstrate application of main coat of paint/varnish to primer applied surface upon drying of primer coat.</li> <li>• Demonstrate sanding of surface and filling of voids using fillers prior to application of subsequent coat.</li> <li>• Demonstrate application of final coat to main coat applied wooden surface</li> <li>• Demonstrate application of toners, highlights, glazes or shades to obtain desired finish as per specifications</li> <li>• Demonstrate application of lacquer or other sealers as per specification</li> <li>• Demonstrate polishing of the varnished surface using steel wool, pumice, rotten stone or other materials, depending on the shine desired/specified</li> </ul>	
5	<p><b>Carry out minor repair of various painting faults</b></p> <p><b>Theory Duration</b> (hh:mm) 12:00</p> <p><b>Practical Duration</b> (hh:mm) 36:00</p> <p><b>Corresponding NOS Code</b> CON/N0510</p>	<p><b>Theory:-</b></p> <ul style="list-style-type: none"> <li>• Selection and use of different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, sand papers, putty blades, etc.) and</li> <li>• Different type of paints such as OBD, acrylic and emulsion paints and their use.</li> <li>• Different types of primers and their use</li> <li>• Knowledge of standard specifications of all tools, equipment and components required for painting works</li> <li>• Masking of adjacent area for protection against paint splatter and damage prior to painting</li> <li>• Mixing and proportioning of paints as per specified ratios</li> <li>• Different type of reducers and thinners for adjusting viscosity of paints</li> <li>• Knowledge about adjusting the viscosity of paints</li> <li>• Various types of adhesives used for binding coats of paint such as oil, turpentine etc.</li> <li>• Different types of defects associated with painting works like Orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs, fish eye (beads), blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters and shrinkage.</li> <li>• Different types of remedial actions required for rectification of defects such as polishing with appropriate compounds, flattening with whetstone, stripping of paint and reapplication of putty and paint.</li> </ul>	<ol style="list-style-type: none"> <li>1. Work shop for practical assessment</li> <li>2. Toilet/Urinals (Separate for gents and Ladies)</li> <li>3. Tool box with lock and key</li> <li>4. Measuring tape/rule,</li> <li>5. Ladder</li> <li>6. Measuring tape</li> <li>7. Scale</li> <li>8. Square</li> <li>9. Water level tube</li> <li>10. Spirit level</li> <li>11. Plumb bob</li> <li>12. Rollers</li> <li>13. Brushes</li> <li>14. paint bucket</li> <li>15. sponges</li> <li>16. dusting brush</li> <li>17. tack rags</li> <li>18. paint stirrers</li> <li>19. sand paper</li> <li>20. masking tape</li> <li>21. wall scrapers</li> <li>22. scraper,</li> <li>23. putty knife</li> <li>24. chisel knife</li> <li>25. knotting brush</li> <li>26. nail punch,</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p><b><u>Demonstration/ Practical :-</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate the visual checks to be carried out for physical inspection of surface for defects</li> <li>• Diagnose the painting problem and identify defects such as Orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs, Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks peeling, putty marks, blisters &amp; shrinkage</li> <li>• Demonstrate the rectification of common defects like orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seed, runs etc. by polishing with appropriate compounds.</li> <li>• Demonstrate the rectification of common defects like Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling etc. by flattening out the defects using whetstone and application of top coat of paint.</li> <li>• Demonstrate the rectification of common defects like putty marks and shrinkage, by flattening out the defects using whetstone and application of appropriate primer and top coat of paint.</li> <li>• Demonstrate the rectification of common defects like blisters, cracks and shrinkage, by stripping out the paint and subsequent application of putty and paint.</li> </ul>	<p>27.Hammer 28.dusting brush 29. dust masks 30.wire brushes 31. goggles 32. filling knife 33. filling board 34.Painting edger</p> <p><b><u>PPE'S</u></b></p> <ol style="list-style-type: none"> <li>1. Safety helmets</li> <li>2. Hand gloves</li> <li>3. Safety shoes</li> <li>4. Safety harness</li> <li>5. Nose mask</li> <li>6. Overalls Knee pad</li> <li>7. Reflective jackets</li> <li>8. Pencil</li> </ol>
6	<p><b>Work effectively in a team to deliver desired results at the workplace</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p> <p><b>Practical Duration</b> (hh:mm) 16:00</p> <p><b>Corresponding NOS Code</b> CON/N8001</p>	<p><b><u>Theory:-</u></b></p> <ul style="list-style-type: none"> <li>• Method of oral and written communication skills with co-workers, trade seniors while handling and carrying out visual checks on materials, , tools and equipment</li> <li>• How to interpret scope of painting works for masonry, metal and wooden surfaces including handling of tools by adhering to instructions or consulting with seniors</li> <li>• Method of providing instruction to subordinates or reporting to seniors clearly and promptly</li> <li>• Seek necessary support and complete assigned tasks within stipulated time duration</li> <li>• Keep good relation and maintain well behaviour with co-workers</li> </ul>	<ol style="list-style-type: none"> <li>1. Classroom having seating requirement for 30 people.</li> <li>2. Toilet/Urinals (Separate for gents and Ladies)</li> <li>3. Projector Blackboard</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p><b><u>Demonstration/ Practical :-</u></b> The skills will be developed and practiced while carrying out following trade related activities in a predictable and familiar working condition</p> <ul style="list-style-type: none"> <li>• Selection of materials, tools or devices for defined purpose under painting works and providing instructions to subordinates for the same.</li> <li>• Handling of tools, equipment and materials for painting on metal /fabricated assemblies including efficiently communicating with co-workers for desired requirement as per specification</li> <li>• Carrying out minor repair in painting works while working as a team to ensure optimum utilization of material and resources</li> <li>• Carrying out general painting works utilizing the effort of co-workers.</li> <li>• Undertaking visual checks to assess the quality of material and surface prior to painting works</li> <li>• Selection and handing over of desired/ appropriate tools/ materials while assisting trade senior</li> </ul>	
7	<p><b>Plan and organize work to meet expected outcomes</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p> <p><b>Practical Duration</b> (hh:mm) 28:00</p> <p><b>Corresponding NOS Code</b> CON/N8002</p>	<p><b><u>Theory:-</u></b></p> <ul style="list-style-type: none"> <li>• To plan painting activities within defined scope of work</li> <li>• Basic concept of productivity, sequence of working and implementation of safety and organizational norms while working</li> <li>• Upkeep, storing and stacking methods of tools, materials used for domain specific works</li> <li>• Requisition of resources, reporting for requirement of resources orally and in written to concerned authority - (T/P)</li> </ul> <p><b><u>Demonstration/ Practical :-</u></b> The skills will be developed and practiced while carrying out following trade related activities in a predictable and familiar working condition</p> <ul style="list-style-type: none"> <li>• Selection of materials, tools or devices for defined purpose in an optimum manner</li> <li>• Handling/organizing painting tools, material, fixtures and device for painting on masonry, metal and wooden assemblies.</li> <li>• Prioritize all works/ activities</li> </ul>	<ol style="list-style-type: none"> <li>1. Classroom having seating requirement for 30 people.</li> <li>2. Toilet/Urinals (Separate for gents and Ladies)</li> <li>3. Projector Blackboard</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>• Planning painting and repair works on painted surfaces as per scope and schedule.</li> <li>• Carrying out painting works of metal/fabricated assemblies by optimum utilisation of material and resources</li> <li>• Optimum use of resources while performing task</li> <li>• Adherence to stipulated timelines for completion of painting activities/ tasks</li> </ul>	
8	<p><b>Work according to personal health, safety and environment protocol at construction site</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p> <p><b>Practical Duration</b> (hh:mm) 28:00</p> <p><b>Corresponding NOS Code</b> CON/N9001</p>	<p><b>Theory:-</b></p> <ul style="list-style-type: none"> <li>• Types of hazards involved in construction sites</li> <li>• Types of hazards involved in painting works</li> <li>• Types of hazards related to painting materials.</li> <li>• Emergency safety control measures and actions to be taken under emergency situation</li> <li>• Concept of :-               <ol style="list-style-type: none"> <li>1. First Aid process</li> <li>2. Use of fire extinguisher</li> <li>3. Classification of fires and fire extinguisher</li> <li>4. Safety drills</li> <li>5. Types and use of PPEs as per general safety norms</li> <li>6. Reporting procedure to the concerned authority in emergency situations</li> </ol> </li> <li>• Standard procedure of handling, storing and stacking material, tools and accessories</li> <li>• What is safe disposal of waste, type of waste and their disposal</li> <li>• Type of painting tools, their standards and area of application</li> <li>• basic ergonomic principles as per applicability</li> </ul> <p><b>Demonstration/ Practical :-</b> The skills will be developed and practiced while carrying out following trade related activities in a predictable and familiar working condition.</p> <ul style="list-style-type: none"> <li>• Selection of PPEs and use them appropriately as per working need of painting operations</li> <li>• Analysis of hazards involved in painting at heights and in precast elements or informing to seniors regarding hazardous conditions</li> </ul>	<ol style="list-style-type: none"> <li>1. Safety Helmets</li> <li>2. Face shield</li> <li>3. Overalls</li> <li>4. Knee pads</li> <li>5. Safety shoes</li> <li>6. Safety belts</li> <li>7. Safety harness</li> <li>8. Safety Gloves</li> <li>9. Safety goggles</li> <li>10. Particle masks</li> <li>11. Ear Plugs</li> <li>12. Reflective jackets</li> <li>13. Fire Extinguisher</li> <li>14. Fire prevention kit</li> <li>15. First Aid box</li> <li>16. Safety tags</li> <li>17. Safety Notice board</li> </ol>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>• Identification of locations, situations/ circumstances, malpractices which can be hazardous for works</li> <li>• Selection of fire extinguisher based on classification of fire, standard practice of storing &amp; stacking firefighting equipment/ materials at work locations</li> <li>• Disposal of waste materials as per their nature and effects on weather</li> </ul>	
	<p><b>Total Duration</b></p> <p><b>Theory Duration 80:00</b></p> <p><b>Practical Duration 320:00</b></p>	<p>Measuring tape/rule, 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, dusting brush, dust masks, wire brushes, goggles, filling knife, filling board, Painting edger, Sanders/grinders</p> <p>Safety helmets, Hand gloves, Safety shoes, Safety harness, Nose mask, Overalls, Knee pad, Reflective jackets, Pencil</p> <p><b>Infrastructure</b></p> <p>Class room for theory and assessment with 30 study chairs , Workshop for training and practical assessment, Masonry wall (For painting), Toilet/Urinals (Separate for gents and Ladies), 3 phase power supply points , Single phase power supply points, Fire extinguishers (mechanical foam, DCP, CO2 and sand buckets with stand), First aid kit, Tool box with lock and key</p>	

Grand Total Course Duration: **400 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by Construction Skill Development Council of India)



## Trainer Prerequisites for Job role: “Construction Painter and Decorator” mapped to Qualification Pack: “CON/Q0503, v1.0”

Sr. No.	Area	Details
1	<b>Description</b>	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “CON/Q0503”.
2	<b>Personal Attributes</b>	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field
3	<b>Minimum Educational Qualifications</b>	ITI/12th
4a	<b>Domain Certification</b>	Trainer/Assessor-50% in each NOS & 80 % overall, Lead trainer/Lead Assessors- 50% in each NOS & overall 90%
4b	<b>Platform Certification</b>	Trainer/Assessor-80% in each NOS and Lead trainer/Lead Assessors-90% in each NOS
5	<b>Experience</b>	i. Technical Degree holder with minimum five years of Field experience and preferably two years of teaching experience, or, ii. In case of a Diploma Holder seven years of field experience and preferably two years of teaching experience or, iii. In case of ITI/12 <sup>th</sup> minimum ten years of field experience and preferably two years of teaching experience



## Annexure: Assessment Criteria

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Construction Painter and Decorator</b>
<b>Qualification Pack</b>	<b>CON/Q0503, v1.0</b>
<b>Sector Skill Council</b>	<b>Construction</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
1	Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2	The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3	Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on assessment criteria.
5	The passing percentage for each QP will be 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6	The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome
7	The trainee shall be provided with a chance to repeat the test to correct his procedures in case of improper performance, with a deduction of marks for each iteration.
8	After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10	Minimum duration of Assessment of each QP shall be of 4hrs/trainee.



Assessment outcomes	Assessment Criteria for outcomes	Total Mark	Marks Allocation		
			Out Of	Theory	Skills Practical
<b>CON/N0505: Apply OBD, acrylic and emulsion paints on various finished masonry surfaces</b>	<b>PC1. carry out visual and physical inspection of the surface for suitability for painting works</b>	<b>100</b>	<b>5</b>	<b>1</b>	<b>4</b>
	PC2. measure the surface to be painted and calculate the appropriate quantity of required materials as per applicability		4	1	4
	PC3. ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints		3	1	2
	PC4. apply putty to fill gaps and depressions on the surface to be painted for preparation of a leveled surface if required		5	1	4
	PC5. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/fixtures are removed prior to painting		3	1	2
	PC6. ensure proper cleaning ,maintenance and upkeep of painting tools and equipments before and after use		3	0.5	2.5
	PC7. select appropriate painting material and mixing ingredients as per requirement /specified finish		8	1.5	6.5
	PC8. identify base colour of paint as per the requirements/instructions		8	1.5	6.5
	PC9. select appropriate colorants, suitable for colour match, to meet aesthetic requirements		8	1.5	6.5
	PC10. mix specified amount of paint material with additives as per specified ratio		8	1.5	6.5
	PC11. follow standard procedure for effective mixing and dilution of paints		8	1.5	6.5
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement		5	1	4
	PC13. apply primer coats of paint to the finished/leveled surfaces as per specifications		8	1.5	6.5
	PC14. apply main coat of paint over primer coat within specified time limits as per specification		8	1.5	6.5
	PC15. apply final coat as per required/specified tint		8	1.5	6.5

	PC16. apply tackifier solvent or brush blast to roughen the surface in case recoat time of paint exceeds specified time		5	1	4
	PC17. clean the surface of each dried coat appropriately before application of the next coat		3	0.5	2.5
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N0506: Apply paint on metallic / structural steel fabricated assemblies</b>	PC1. carry out visual and physical inspection of the surface for suitability	<b>100</b>	4	1	3
	PC2. ensure the removal all loose mill scale, loose rust, loose paint and other loose detrimental foreign matter prior to application of paint		4	1	3
	PC3. ensure fabricated steel /metallic items are cleaned, washed, stripped of previous paints and corrosion and surface is leveled evenly by filling depressions		4	1	3
	PC4. ensure proper cleaning of all bolts, nuts, welds, and field rivet heads		4	1	3
	PC5. ensure machines, equipment, and work areas is cleaned appropriately using water, solvents and other cleaning aids		4	1	3
	PC6. ensure use of appropriate tools such as rotary or impact power tools to remove rust (rust scale) ,weld slag, flux and weld spatter		5	1.5	3.5
	PC7. ensure proper cleaning ,maintenance and upkeep of painting tools and equipments before and after use		4	1	3
	PC8. identify base colour as per the requirements/instructions		7	1	6
	PC9. select appropriate colorants suitable for colour match, to meet aesthetic requirements		7	1	6
	PC10. mix specified amount of paint material with additives as per specified ratio		7	1	6
	PC11. follow standard procedure for effective mixing and dilution of paints		7	1	6
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement		5	1.5	3.5
	PC13. apply primer coat as per instruction/specification		7	1	6

	PC14. apply an appropriate primer for rusted metal surface as per specification		7	1	6
	PC15. apply specified number of coats of appropriate primer to prevent any oxidization on metal		7	1	6
	PC16. ensure that the primer coat is allowed to dry for specified time prior to application of any subsequent coat		5	1.5	3.5
	PC17. apply appropriate coats of paint as per the requirements/specification		7	1	6
	PC18. ensure appropriate drying time between two subsequent coats		5	1.5	3.5
	<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>	
<b>CON/N0507: Apply, paint ,varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces</b>	PC1. carry out visual and physical inspection of the surface for suitability	<b>100</b>	2	1	1
	PC2. ensure that all loose & detrimental foreign matter is removed by using appropriate tools		2	0.5	1.5
	PC3. brush bleaching agents on wood surface to restore natural color of wood		2	0.5	1.5
	PC4. treat warped or stained surfaces as per specification to restore original contours and colors		2	0.5	1.5
	PC5. fill gaps/depressions with appropriate wood filler, if required		2	0.5	1.5
	PC6. smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders		2	0.5	1.5
	PC7. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/accessories /fixtures are removed prior to painting		2	0.5	1.5
	PC8. select appropriate finishing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification / instructions		7	2	5
	PC9. select appropriate colorants suitable for color match, to meet aesthetic requirements		7	2	5
	PC10. mix specified amount of paint material with additives as per specified ratio		7	2	5

	PC11. follow standard procedure for effective mixing and dilution of paint and varnish		7	1	6
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement		5	1	4
	PC13. apply a primer coat of paint/varnish to the wood surface as per specification		7	1	6
	PC14. apply paint/varnish coat of specified thickness after the primer has dried for specified time		7	1	6
	PC15. carry out sanding of the surface using appropriate tools		5	1	4
	PC16. apply coat of putty/wood filler wood and sand the applied coat		7	1	6
	PC17. apply finished coats of paint/varnish to produce smooth surfaces of uniform thickness		7	1	6
	PC18. apply toners, highlights, glazes or shades to obtain desired finish as per specifications		7	1	6
	PC19. apply lacquer or other sealers as per specification		5	1	4
	PC20. carry out polishing of the varnished surface using steel wool, pumice, rotten stone or other materials, depending on the shine desired/specified		7	1	6
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N0510: Carry out minor repair of various painting faults</b>	PC1. check the painted surface thoroughly for defects	<b>100</b>	4	2	2
	PC2. diagnose the painting problem and point out defects such as Orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds ,runs, Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters & shrinkage		16	3	13
	PC3. understand the nature of defect and carry out remedial action as per applicability		16	3	13
	PC4. polish the defects with appropriate compound for common defects like orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs.		16	3	13
	PC5. carry out flattening of the defect using whetstone followed by application of top coat of paint, for defects		16	3	13



	like Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling				
	PC6. carry out flattening of the defect using whetstone followed by application of appropriate primer and a top coat of paint, for defects like Putty marks & shrinkage ,		16	3	13
	PC7. carry out stripping of paint followed by application of putty and paint subsequently, for defects like shrinkage, blisters and cracks		16	3	13
	<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>	
<b>CON/N8001: Work effectively in a team to deliver desired results at the workplace</b>	PC1. pass on work related information/ requirement clearly to the team members	<b>100</b>	10	2	8
	PC2. inform co-workers and superiors about any kind of deviations from work		5	1	4
	PC3. address the problems effectively and report if required to immediate supervisor appropriately		5	1	4
	PC4. receive instructions clearly from superiors and respond effectively on same		5	1	4
	PC5. communicate to team members/subordinates for appropriate work technique and method		5	1	4
	PC6. seek clarification and advice as per requirement and applicability		10	2	8
	PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams		30	6	24
	PC8. work together with co-workers in a synchronized manner		30	6	24
	<b>Total</b>		<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N8002: Plan and organize work to meet expected outcomes</b>	PC1. understand clearly the targets and timelines set by superiors	<b>100</b>	10	2	8
	PC2. plan activities as per schedule and sequence		10	2	8
	PC3. provide guidance to the subordinates to obtain desired outcome		10	2	8
	PC4. plan housekeeping activities prior to and post completion of work		10	2	8
	PC5. list and arrange required resources prior to commencement of work		10	2	8

	PC6. select and employ correct tools, tackles and equipment for completion of desired work		10	2	8
	PC7. complete the work with allocated resources		10	2	8
	PC8. engage allocated manpower in an appropriate manner		10	2	8
	PC9. use resources in an optimum manner to avoid any unnecessary wastage		5	1	4
	PC10. employ tools, tackles and equipment with care to avoid damage to the same		5	1	4
	PC11. organize work output, materials used, tools and tackles deployed,		5	1	4
	PC12. processes adopted to be in line with the specified standards and instructions		5	1	4
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N9001: Work according to personal health, safety and environment protocol at construction site</b>	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authorities	<b>100</b>	5	1	4
	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities		5	1	4
	PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable		10	2	8
	PC4. participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site		5	1	4
	PC5. identify near miss , unsafe condition and unsafe act		5	1	4
	PC6. use appropriate Personal Protective Equipment (PPE) as per work requirements including: <ul style="list-style-type: none"> <li>• Head Protection (Helmets)</li> <li>• Ear protection</li> <li>• Fall Protection</li> <li>• Foot Protection</li> <li>• Face and Eye Protection</li> <li>• Hand and Body Protection</li> <li>• Respiratory Protection (if required)</li> </ul>		10	2	8
	PC7. handle all required tools, tackles , materials & equipment safely		5	1	4



	PC8. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines		5	1	4
	PC9. install and apply properly all safety equipment as instructed		15	3	12
	PC10. follow safety protocol and practices as laid down by site EHS department		15	3	12
	PC11. collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes		10	2	8
	PC12. apply ergonomic principles wherever required		10	2	8
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>