

Ref: NSDC/QA&Std/1.0/ CON/ Q 0502

## Assistant Painter and decorator

### CURRICULUM/SYLLABUS

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

<p><b>1. Introduction:-</b> Importance of painter, painting and related works; role of painter and their job opportunities</p>	<p><b>5. Erecting &amp; Dismantling Scaffolds/Working platforms/ ladders at the workplace:-</b> Standard procedure for erection and dismantling of scaffolds &amp; working platforms.</p>
<p><b>2. Health , Safety and Environment:-</b> Importance of health &amp; safety aspect and measures to be followed while</p>	<p><b>6. Application of different type of Paints as per surface and finish requirement:</b> Different type of paints and their application as per type of surfaces</p>
<p><b>3. Prepare, Handle &amp; Store paints &amp; related materials:-</b> Standard method for delivery, placing &amp; storing of material &amp; basic knowledge of material properties</p>	<p><b>7. Varnishing, polishing &amp; finishing of door window, partitions, paneling &amp; other surfaces:-</b> Knowledge of different type of polishes and varnishes and their application on different surfaces.</p>
<p><b>4. Preparation of all type of basic surfaces for painting works:-</b> Different type of putties and paints, methods of mixing &amp; different methods of application ;Process of preparation of surface for painting</p>	

This course encompasses 6 out of 6 National Occupational Standards (NOS) of “Assistant Painter and decorator” Qualification Pack issued by “Construction Skill Development Skill ”

S. No	Topic/Module	Duration (in Hours)	Key Learning Outcomes	Corresponding NOS Code
1	Introduction	8 hrs	<ul style="list-style-type: none"> <li>General discipline in the class room</li> <li>General safety rules.</li> <li>Basic knowledge of Unit &amp; measurement</li> <li>Basic knowledge of arithmetic calculation</li> <li>Knowledge of paint industry in India</li> <li>Importance of painting, painter &amp; related works.</li> <li>Role of a Assistant Painter and Decorator</li> <li>Job opportunities for an Assistant Painter and Decorator.</li> </ul>	
2	Health , Safety and Environment (L/P/D)	32 hrs	<ul style="list-style-type: none"> <li>Importance of safety</li> <li>Selection and use of correct PPE’s like helmet, safety harness, safety shoes, safety goggles, respiratory mask etc</li> </ul>	CON/N0001

			<ul style="list-style-type: none"> <li>• Safety precautions involved while working at heights.</li> <li>• Use and importance of first aid and resuscitation process</li> <li>• Knowledge of solvent vapors, toxic metal in pigments &amp; paint additives.</li> <li>• Health hazards relevant to paintwork, preparation and handling of materials.</li> <li>• Standard housekeeping procedure at site including safe waste disposal and pollution control.</li> <li>• Practice selection and use of correct PPEs against different working conditions and their indent and return procedure</li> <li>• Demonstration of basic dressing of cuts and burns.</li> <li>• Perform mock drills and evacuation at emergency.</li> <li>• Practice good housekeeping, Proper waste disposal maintaining the quality aspects of paints.</li> <li>• Behavioral etiquette.</li> </ul>	
3	<b>Prepare, Handle &amp; Store paints &amp; related materials (L/P/D)</b>	30 hrs	<ul style="list-style-type: none"> <li>• Identification and selection of paint and related materials for handling and storing.</li> <li>• Standard method for delivery, placing &amp; storing of paint and related material.</li> <li>• Standard method of stacking and maintenance of painting materials.</li> <li>• Standard method of storing of hazardous material &amp; all relevant chemicals.</li> <li>• Knowledge of material properties such as flash point, flow point and its relevance</li> <li>• Knowledge of equipments, tools and tackles required for each type of materials handling</li> <li>• Putty: definition, types, uses, method of Mixing &amp; different methods of applications.</li> <li>• Identify, select and use right tools for right job.</li> <li>• Demonstrate proper stacking of materials</li> <li>• Adopt proper safety measures to</li> </ul>	<b>CON/N0045</b>

			<p>minimize risks when manually lifting and handling materials and goods.</p> <ul style="list-style-type: none"> <li>• Maintain safe &amp; clean workspace while moving and storing material</li> </ul>	
4	<p><b>Preparation of all type of basic surfaces for painting works (L/P/D)</b></p>	36 hrs	<ul style="list-style-type: none"> <li>• Description of Tools, equipments used for mixing.</li> <li>• Classification of different types of tools and equipments required for surface preparation.</li> <li>• Knowledge of different type of sealing compounds</li> <li>• Basic knowledge of surface irregularities and defects.</li> <li>• Purpose of cleaning of wall surfaces and their effects.</li> <li>• Processes of cleaning, different methods of cleaning, precautions and uses.</li> <li>• Knowledge of ratio and mix proportions of material used.</li> <li>• Knowledge of type of exposure of the application surface.</li> <li>• Practice preparing prime for application as base coat.</li> <li>• Practice preparing wood surface for application of varnish, polish &amp; paint.</li> <li>• Preparing surface by washing, stripping, scarping, abrading, keying and brushing/ brooming.</li> <li>• Finishing the surface by filling, leveling, flattening, scaling.</li> <li>• Practice of application of prime coat by brush or spray</li> <li>• Practice of rectification of patchwork.</li> </ul>	<b>CON/N0047</b>

5	<p align="center"><b>Erecting &amp; Dismantling Scaffolds / Working Platforms / ladders at the workplace (L/P/D)</b></p>	42 hrs	<ul style="list-style-type: none"> <li>• Knowledge of tools and equipments used for erecting and dismantling 3.6 scaffolding.</li> <li>• Knowledge of materials used for erecting &amp; dismantling 3.6 m scaffold</li> <li>• Estimate the quantity of material required to erect and dismantle scaffold/working platforms (Ladders, Planks, Pipes, Ballies, Supports, and Fastening etc.)</li> <li>• Preparation of base</li> <li>• Process of shifting material from yard to workplace</li> <li>• Process of erecting &amp; dismantling 3.6 m temporary scaffold.</li> <li>• Standard safety procedure for working at height including proper shifting and handling of material and tools.</li> <li>• Arranging the right quantity of material as per requirement</li> <li>• Check the stability, alignment, verticality of supports</li> <li>• Practice proper sequence of erection and dismantling of 3.6 m scaffold.</li> <li>• Completing the work within the allocated time.</li> </ul>	CON/N0053
6	<p align="center"><b>Application of different type of Paints as per surface and finish requirement (L/P/D)</b></p>	46 hrs	<ul style="list-style-type: none"> <li>• Knowledge of different types of paints such as OBD, Acrylic emulsion, Enamel paint etc.</li> <li>• Knowledge of quality of paint and its base type.</li> <li>• Knowledge of various sealing compounds</li> <li>• Knowledge of different type of painting applications and color blending techniques.</li> <li>• Description of tools, equipments used for mixing &amp; applying paint</li> <li>• Knowledge of ratio and mix proportions of material used.</li> <li>• Knowledge of different type of surface and their required finish.</li> <li>• Knowledge of standard method of painting external and internal surfaces.</li> <li>• Application of different type of paint to various surfaces</li> <li>• Maintenance of brushes, rollers and the other tools and equipment used for relevant application.</li> <li>• Standard methods for preparation of</li> </ul>	CON/N0054

			<p>platform, placing and mixing of ingredients.</p> <ul style="list-style-type: none"> <li>• Organize tools and equipments for the task</li> <li>• Effective application of paints using brush &amp; roller.</li> <li>• Demonstrate skills of mixing, pouring, diluting, loading for paint application</li> <li>• Apply coatings to internal and external surfaces suiting industrial situations.</li> <li>• Follow standard methods while painting interior surfaces</li> <li>• Minimum wastage and optimum use of material</li> <li>• Practice rectification of mismatch of color and faults in application.</li> <li>• complete work within stipulated time &amp; as per productivity requirements</li> </ul>	
7	<p><b>Varnishing, polishing &amp; finishing of door windows, partitions, panelling &amp; other Surface (L/P/D)</b></p>	46 hrs	<ul style="list-style-type: none"> <li>• Classification of different types of tools and equipments required for varnishing and polishing.</li> <li>• Knowledge of different type of polishes and their bases</li> <li>• Knowledge of different type of pigment &amp; admixtures.</li> <li>• Knowledge of different types of mixing of paints, colors and related materials</li> <li>• Knowledge of process of mural painting</li> <li>• Standard procedures for mixing, diluting and making of varnish &amp; polish.</li> <li>• Knowledge of different type of surfaces.</li> <li>• Proper sequence and methodology for application of varnish to surface</li> <li>• Rough estimation of the quantity of materials required for the task</li> <li>• Knowledge of different type of sealing compounds</li> <li>• Identify, select and use right pigment &amp; admixtures.</li> <li>• Rough estimation of quantity of materials required</li> <li>• Minimum wastage and optimum use of material</li> <li>• Rectification of mismatch of color and faults in application</li> <li>• Complete work within stipulated time &amp; as per productivity requirements</li> </ul>	CON/N0055



Total Programme Duration: **240 Hours**

*(This syllabus/ curriculum has been approved by "Construction Sector Skill Council").*

**D: Demonstration**

**L : Learning**

**P : Practical**