

**National Vocational Qualification  
Curriculum of Building Painting & Decorating  
Level - 2 (Painter Helper)**



**National Vocational and Technical Training Commission,  
Islamabad**



## National Vocational Qualification Level 2 of Building Painting & Decorating



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## 1. Introduction

Pakistan is a developing country with the 5th largest population in the world. More than 60% of our population is below 30 years of age which makes it the second youngest populated country in South Asia. This “youth bulge” provides unique challenges as well as opportunities for the country’s social and economic development. To control the increasing unemployment, promote entrepreneurship, alleviate poverty and provide skilled manpower for industrial/economic growth, the Govt of Pakistan has laid a lot of emphasis on the Technical Vocational Education and Training (TVET) Sector.

Building painter & decorator plays a very important role in the success of every construction project. A building painter and decorator provide interior and exterior decorating services to construction industry. They decorate newly-built or existing houses, apartments, factories, offices and stores, to improve the appearance of a building and to protect it from damage by water, corrosion, insects and mould. Therefore, this trade is designed to uplift the employment opportunities for youth. This trade aims to achieve the above-highlighted objectives through hands-on practical training, delivered by a team of dedicated professionals. Contrary to that, it is primarily aimed to equip the trainees to perform commercially in the construction industry.

Building painter & decorator is designed to impart not only technical skills but also soft skills (communication skills and personal grooming etc.) as well as entrepreneurial skills. The course also seeks to inculcate work ethics to foster better citizenship in general and improve the image of the Pakistani workforce in particular.



## 2. Purpose of qualification

The purpose of this qualification is to give the candidate a thorough understanding and skills of the construction sector with special reference to building paint in the six-month training program. The construction industry needs skilled labor to meet national and international standards. It is therefore important to stress the need for a multidisciplinary approach to meet the challenges within the sector. Upon successful completion of this course, the trainee should be able to:

- Core elements and the development of the painting process
- Give an account of the essentials construction industry and the future of this industry
- Demonstrate an understanding of different painting traits.
- Point out relevant industry stakeholders & their roles in driving innovation in paint management
- Improve the professional competence of the trainees
- Provide opportunities for recognition of skills attained through non-formal or informal pathways
- Improve the quality and effectiveness of training and assessment for paint industry skilled labor
- Enhance construction industry activities at regional/provincial/national levels through a better approach.

## 3. Overall objectives of training course

The primary objective of this training program is based on the job required to be helping a building painter and decorator. Therefore, this curriculum is designed to provide knowledge and skills on painting and decorating related to the occupation. This course deals with the concept of painting and decorating, Tools and equipment needed and preparation of various paint elements. This course especially imparts skills and knowledge on various types of works such as maintain tools and equipment, prepare job site, prepare the surface for painting, match and mix of paint, assist painter during job, clean tools / equipment after job completion, dispose of waste materials. Moreover, it also provides skills on. Occupational



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health, safety & environment alongside the soft skills. Trainees will practice & obtain skills using typical tools, equipment, machines and Material necessary for this program. Main objectives of the training program are as under.

- Carry out activities of painting and decorating.
- Perform bench work related to painting and decorating.
- Identify and prepare various elements of painting and decorating.
- Maintain tools and equipment for painting.
- Perform paints on doors and windows.
- Prepare job site and surface for painting.
- Match and mix of paint.
- Be familiar with occupational safety working techniques.

### 4. Competencies To be Gained after Completion Of Course

After completing this course, the trainee will be able to help the painter with different painting and decorating works in the construction sector. Furthermore, this training program enables the trainees to develop multispectral competencies such as creative thinking, independent ability to take quick actions, better communication skills as well as be able to work in a team effectively.





### 5. Job opportunities available immediately and in the future

The successful pass outs of this course may avail entrepreneurial opportunities and/or fetch job/employment in construction sectors as

- Building Painter helper

### 6. Trainee entry level:

- The entry requirement for this qualification is Primary / Middle

### 7. Minimum qualification of trainer

- 1-2 years of professional experience in Construction industry after DAE (Civil / Architecture) / Bachelor's degree in Civil Engineering

### 8. Recommended trainer: trainee ratio

- The recommended trainer and trainee ratio is 1:24 per class

### 9. Medium of instruction:

- Urdu, English or Regional Language

### 10. Curriculum development committee

The following members participated in the Curriculum development workshop from 29 Nov to 03 Dec 2021, in Lahore:



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Sr. No	Name	Designation & Organization
1.	Muhammad Aasim	Assistant Director, NAVTTC Coordinator, Islamabad
2.	Muhammad Nasir Khan	DACUM Facilitator
3.	Mr. Muhammad Irshad Najam	Instructor, Civil Draftsman & Building Painter. GTTI Gulberg
4.	Mr. Muhammad Saleem	Sr. Instructor Draftsman Civil GTTI Moghalpura Lahore
5.	Mr. Daniyal Saqib	Project Engineer at Cheema Developers Private Limited, Abbottabad
6.	Engr. Ihsanullah Shah	Senior Sub Engineer, University of Haripur Consultant Structural Engineer from PEC
7.	Mr. Inam Ul Haq	Instructor, CTTI Islamabad
8.	Engr. Mehak Javed	Site Engineer, NESPAK Lahore
9.	Engr. Rebab Maria Mahmood	Site Engineer, IMC Lahore
10.	Mr. Malak Shams ul Arifin	Lecturer, GCT Nowshera, Representative KP-TEVTA
11.	Engr. Humaira Kanwal	Assistant Professor, UOL, Lahore
12.	Zunaira Rana	Certified Assessor of CBT&A, Toba Tek Singh

### 11. Curriculum validation committee

The following members participated in the Curriculum development workshop from 13 to 17 Dec 2021, in PITAC Lahore:





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Sr. No	Name	Designation & Organization
1.	Muhammad Aasim	Assistant Director, NAVTTC Coordinator, Islamabad
2.	Muhammad Nasir Khan	DACUM Facilitator
3.	Mr. Muhammad Irshad Najam	<b>Representative Punjab TEVTA</b> , GTTI Gulberg
4.	Mr. Abdul Rehman	Representative PBTE. Lahore
5.	Miss. Faruk Naz	Representative KP TEVTA, Lecturer COE Hayatabad Peshawar
6.	Engr. Israr Ahmad	Secretary, Representative KP BTE
7.	Mr. Muhammad Saleem	Sr. Instructor Draftsman Civil GTTI Moghalpora Lahore
8.	Engr. Ihsanullah Shah	Senior Sub Engineer, University of Haripur Consultant Structural Engineer from PEC
9.	Mr. Inam Ul Haq	Instructor, CTTI Islamabad
10.	Engr. Mehak Javed	Site Engineer, NESPAK Lahore
11.	Engr. Rebab Maria Mahmood	Site Engineer, IMC Lahore
12.	Mr. Shahid Ameen	Lab Technologist, Punjab Tianjin University of Technology, Lahore
13.	Engr. Humaira Kanwal	Assistant Professor, UOL
14.	Engr. Abdul Basit Mansoor	Assistant Executive Engineer PAK PWD, Lahore
15.	Engr Arsalan Hameed Khan	Assistant Manager, Planning & projects Department, LWMC



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### 12. Duration of course (total time, theory & practical)

Module No.	Competency Standards	Theory hours	Practical hours	Total contact hours	Total Credit hours
<b>Module 01.</b>	Personal Health, Safety and Environment in the Workplace	20	30	50	5
<b>Module 02.</b>	Maintain tools and Equipment	10	60	70	7
<b>Module 03.</b>	Prepare Job Site	20	90	110	11
<b>Module 04.</b>	Prepare surfaces for painting	20	90	110	11
<b>Module 05.</b>	Match and mix of paint	10	90	100	10
<b>Module 06.</b>	Assist painter during job	10	60	70	7
<b>Module 07.</b>	Cleaning tools / equipment after job completion	10	30	40	4
<b>Module 08.</b>	Dispose of Waste Materials	20	30	50	5
<b>Total</b>		<b>120</b>	<b>480</b>	<b>600</b>	<b>60</b>



### 13. Summary of competency standards

The proposed curriculum is composed of 07 cores along with 01 generic modules that will be covered in 600 hrs. It is proposed that the course will be delivered in six-month period (Level 2). The distribution of contact hours (practical & theory) is given below:

Purposed course duration : 6 months

Estimated contact hours : 600

Estimated credit hours : 60

- **Theory** : (20%)
- **Practical** : (80%)
- **Theory** : 120 hours
- **Practical** : 480 hours



## 14. Summary – overview of the curriculum (All competences)

Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
<b>Module 01.</b> <b>1022OHS01</b> Personal Health, Safety and Environment in the workplace	<b>LU1.</b> Ensure safety at your workplace <b>LU2.</b> Ensure PPE's	20	30	50
<b>Module 02.</b> <b>0732P&amp;WC01</b> Maintain tools and equipment	<b>LU1.</b> Wash Brushes/roller <b>LU2.</b> Wash Scraper <b>LU3.</b> Check Scaffolding/ladder <b>LU4.</b> Check Spray machine <b>LU5.</b> Wash Spray gun	10	60	70
<b>Module 03.</b> <b>0732P&amp;WC02</b> Prepare Job Site	<b>LU1.</b> Perform Wall cleaning/preparation <b>LU2.</b> Cover furniture and fixtures <b>LU3.</b> Arrange utilities	20	90	110
<b>Module 04.</b> <b>0732P&amp;WC03</b> Prepare Surfaces for painting	<b>LU1.</b> Apply wall putty <b>LU2.</b> Repair damaged areas <b>LU3.</b> Remove old paint	20	90	110
<b>Module 05.</b> <b>0732P&amp;WC04</b> Match and mix paint	<b>LU1.</b> Mix emulsion paint <b>LU2.</b> Mix enamel paint	10	90	100



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
<b>Module 06.</b> <b>0732P&amp;WC05</b> Assist Painter during Job	<b>LU1.</b> Provide material <b>LU2.</b> Mix and match	10	60	70
<b>Module 07.</b> <b>0732P&amp;WC06</b> Cleaning Tools/Equipment after job completion	<b>LU1.</b> Clean up the tools <b>LU2.</b> Clean up the job site <b>LU3.</b> Store the material	10	30	40
<b>Module 08.</b> <b>0732P&amp;WC07</b> Dispose of Waste Materials	<b>LU1.</b> Characterize the final waste <b>LU2.</b> Dispose of final waste	20	30	50
<b>Total</b>		<b>120</b>	<b>480</b>	<b>600</b>



## Module 01 - 1022OHS01 Personal health, safety and environment in the workplace

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for personal health, safety and environment in the workplace but also the health and safety of others at work around him.

<b>Duration:</b>	<b>Total hours</b>	<b>50</b>	<b>Practical</b>	<b>30</b>	<b>Theory</b>	<b>20</b>
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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Ensure safety at your workplace	<ul style="list-style-type: none"> <li>Turn off all the fans</li> <li>Avoid the use of fire and cigarettes during enamel paint</li> <li>Dry the floor while painting with a spray machine</li> </ul>	<ul style="list-style-type: none"> <li>Explain OHS practices concerning the building painting Labelling of material, machine safety etc.)</li> <li>Explain safety rules and regulations of building painting and decoration (Personal Safety etc.)</li> <li>Describe the importance of safety.</li> <li>Explain the Standard Operating Procedure to minimize risk, remove health</li> </ul>	10 hours Theory  9 hours Practical  Total: 19 hours	<ul style="list-style-type: none"> <li>Gloves</li> <li>Shoes</li> <li>Mask</li> <li>Apron</li> <li>Safety Cap</li> <li>Dusting cloth/</li> <li>Cotton waste</li> </ul>	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
		<p>hazards etc.</p> <ul style="list-style-type: none"> <li><b>Practice:</b></li> <li>Enlist safety equipment in manufacturing area.</li> </ul>			
<b>LU2.</b> Ensure Personal Protective Equipments (PPE's)	<ul style="list-style-type: none"> <li>Wear gloves</li> <li>Wear masks and safety goggles</li> <li>Stand properly on ladders/scaffolding</li> <li>Use a full-body harness while working on height</li> <li>Wear helmets and safety shoes</li> </ul>	<ul style="list-style-type: none"> <li>Apply occupational health and safety measures (OHS)</li> <li>Identify Hazards at Workplace</li> <li>Dispose of hazardous Waste/materials</li> <li>Interpret personal safety rules &amp; regulations related to manufacturing industry</li> <li>Maintain First-aid Box</li> <li>Maintain Fire Extinguisher</li> <li>Implement Environmental, Health and Safety standards</li> <li>State PPE's</li> <li>Explain PPE's handling.</li> </ul>	<p>10 hours Theory</p> <p>21 hours Practical</p> <p>Total: 31 hours</p>	<ul style="list-style-type: none"> <li>Gloves</li> <li>Mask</li> <li>Apron</li> <li>Safety Cap</li> <li>Ladder</li> <li>Scaffolding with accessories</li> <li>Full body harness (shock-absorbing lanyard or retractable lifeline, secure</li> </ul>	Class Room and workplace





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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
				anchors.) <ul style="list-style-type: none"><li>• Shoes</li><li>• Helmet</li><li>• Ear plug</li></ul>	



## Module 02 – 0732P&WC01 Maintain tools and equipment

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required to maintain tools and equipment used for building paint works.

Duration:	Total hours	70	Practical	60	Theory	10
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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Wash Brushes/ roller	<ul style="list-style-type: none"> <li>Identify different types of brushes/rollers</li> <li>Wash the brush/roller under running water (for water-based paints)</li> <li>Rub thoroughly using fingers.</li> <li>Dry the wet brush properly.</li> <li>Wash brush/roller with kerosene oil (for enamel paint)</li> </ul>	<ul style="list-style-type: none"> <li>Explain the method of washing different types brushes.</li> <li>Differentiate the types of brushes.</li> </ul>	02 hours Theory  9 hours Practical  Total: 11 hours	<ul style="list-style-type: none"> <li>Water</li> <li>Thinner</li> <li>Dusting cloth/cotton waste</li> <li>kerosene oil</li> <li>Thinner</li> <li>Kettle/can</li> <li>(PPEs)</li> </ul>	Class Room and workplace
<b>LU2.</b> Wash Scraper	<ul style="list-style-type: none"> <li>Identify different types of scrapers</li> </ul>	<ul style="list-style-type: none"> <li>Define scraper.</li> <li>State different types of</li> </ul>	02 hours Theory	<ul style="list-style-type: none"> <li>Water</li> <li>Thinner</li> </ul>	Class Room and



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> <li>Perform washing of different types of scrapers.</li> <li>Clean the wet scrapper with a cloth.</li> <li>Arrange and store all scrapers properly.</li> </ul>	scrapers. <ul style="list-style-type: none"> <li>Define the purpose of scraper.</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Wash and clean the scrapers.</li> </ul>	9 hours Practical  Total: 11 hours	<ul style="list-style-type: none"> <li>Dusting cloth/cotton waste</li> <li>kerosene oil</li> <li>Thinner</li> <li>(PPEs)</li> <li></li> </ul>	workplace
<b>LU3.</b> Check Scaffolding/ ladder	<ul style="list-style-type: none"> <li>Perform regular cleaning of scaffolding/ladder</li> <li>Check all welds and joints regularly</li> <li>Repair joints/welds as per requirement</li> <li>Check antiskid/rubber protection regularly.</li> </ul>	<ul style="list-style-type: none"> <li>Explain the maintenance of scaffolding.</li> <li>Define scaffolding.</li> <li>Define joint.</li> </ul>	02 hours Theory  12 hours Practical  Total: 14 hours	<ul style="list-style-type: none"> <li>water</li> <li>Ladder</li> <li>Scaffolding with accessories</li> <li>Hammer</li> <li>kerosene oil</li> <li>Thinner</li> <li>(PPEs)</li> </ul>	Class Room and workplace
<b>LU4.</b> Check Spray machine	<ul style="list-style-type: none"> <li>Check all electrical connections before any use of the spray machine</li> <li>Check the Belt before any use</li> </ul>	<ul style="list-style-type: none"> <li>State the types of electrical connections.</li> <li>Identify different types of spray machine.</li> </ul> <p><b>Practice:</b></p>	02 hours Theory  15 hours Practical	<ul style="list-style-type: none"> <li>Electric tester</li> <li>Plier</li> <li>(PPEs)</li> </ul>	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> <li>Perform Overhauling of spray machines regularly</li> </ul>	<ul style="list-style-type: none"> <li>Prepare spray machine/gun for use.</li> </ul>	Total: 17 hours		
<b>LU5.</b> Wash Spray gun	<ul style="list-style-type: none"> <li>Wash spray guns using kerosene oil/thinner.</li> <li>Dry with duster cloth/cotton waste.</li> <li>Check the spray gun using oil once before any use.</li> </ul>	<ul style="list-style-type: none"> <li>Define spray Gun.</li> <li>Define the method of washing the spray Gun.</li> </ul> <p><b>Practice</b></p> <ul style="list-style-type: none"> <li>Demonstrate the procedure of washing and oiling to spray gun.</li> </ul>	02 hours Theory  15 hours Practical  Total: 17 hours	<ul style="list-style-type: none"> <li>Thinner</li> <li>kerosene oil</li> <li>Spray gun</li> <li>Brush</li> <li>Dusting cloth/cotton waste</li> <li>(PPEs)</li> </ul>	Class Room and workplace



### Module 03 – 0732P&WC02 Prepare job site

#### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for preparation of the job site. It includes reservation of furniture and fixtures and making all necessary arrangements for paint jobs.

<b>Duration:</b>	<b>Total hours</b>	<b>110</b>	<b>Practical</b>	<b>90</b>	<b>Theory</b>	<b>20</b>
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Perform Wall cleaning/preparation	<ul style="list-style-type: none"> <li>Lay polythene sheet properly</li> <li>Clean the wall using broom/brush</li> <li>Scrap the plaster splashes using a scraper</li> <li>Clean the floor from scrapped material</li> <li>Dump all the material properly at the designated place</li> </ul>	<ul style="list-style-type: none"> <li>Define the use of scraper.</li> <li>Types of scrapping tools.</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Perform cleaning of wall.</li> </ul>	07 hours Theory  30 hours Practical  Total:37 hours	<ul style="list-style-type: none"> <li>Broom/brush</li> <li>Water</li> <li>Scraper</li> <li>Wiper</li> <li>Dusting cloth/cotton waste</li> <li>Masking Tape</li> <li>Polythene sheet</li> <li>PPEs</li> </ul>	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU2.</b> Cover furniture and fixtures	<ul style="list-style-type: none"> <li>Cover all the furniture and fixtures with a polythene sheet</li> <li>Cover all electrical points properly using masking tape</li> </ul>	<ul style="list-style-type: none"> <li>Types of electrical points.</li> </ul> <p><b>Practice</b></p> <ul style="list-style-type: none"> <li>Describe the procedure to cover the furniture and fixtures.</li> </ul>	07 hours Theory 30 hours Practical Total: 37 hours	<ul style="list-style-type: none"> <li>Masking Tape</li> <li>PPEs</li> </ul>	Class Room and workplace
<b>LU3.</b> Arrange utilities	<ul style="list-style-type: none"> <li>Open all doors and windows for proper ventilation</li> <li>Ensure proper lighting at the workplace</li> <li>Arrange mobile scaffolding/ladder with adequate height</li> </ul>	<ul style="list-style-type: none"> <li>Define ventilation.</li> <li>State the importance of ventilation at workplace.</li> <li>Measure the clear height.</li> <li>Explain the use of scaffolding.</li> </ul> <p><b>Practice</b></p> <ul style="list-style-type: none"> <li>Demonstrate the assembling of mobile scaffolding at workplace in different positions (up to 8 ft).</li> </ul>	06 hours Theory  30 hours Practical  Total: 36 hours	<ul style="list-style-type: none"> <li>Electricity</li> <li>Exhaust fan</li> <li>Keys if necessary</li> <li>Tube Lights</li> <li>Emergency light</li> <li>Ladder</li> <li>Scaffolding</li> <li>Hammer</li> <li>PPEs</li> </ul>	Class Room and workplace



## Module 04 – 0732P&WC03 Prepare surfaces for painting

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for making adequate preparations of the area to be painted including surface preparation and damage repairs.

Duration:	Total hours	110	Practical	90	Theory	20
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Apply wall putty	<ul style="list-style-type: none"> <li>Identify the wall putty</li> <li>Sand the wall properly</li> <li>Apply an adequate amount of wall putty</li> <li>Dry the wall putty</li> <li>Use sandpaper (of different grades) for smoothening</li> </ul>	<ul style="list-style-type: none"> <li>Define wall putty.</li> <li>Define the purpose of wall putty.</li> <li>Describe the uses of sand paper.</li> <li>Types of sand paper.</li> </ul> <p><b>Practice</b></p> <ul style="list-style-type: none"> <li>Demonstrate wall putty and scrapping</li> </ul>	06 hours Theory  30 hours Practical  Total:36 hours	<ul style="list-style-type: none"> <li>Broom/ brush</li> <li>Water</li> <li>Wall putty</li> <li>Dusting cloth/cotton waste</li> <li>Sandpaper (different grades)</li> <li>Polythene sheet</li> <li>PPEs</li> </ul>	Class Room and workplace
<b>LU2.</b> Repair damaged	<ul style="list-style-type: none"> <li>Clean the affected area</li> <li>Fill the cracks with</li> </ul>	<ul style="list-style-type: none"> <li>Enlist the required accessories.</li> </ul>	07 hours Theory	<ul style="list-style-type: none"> <li>Broom/brush</li> <li>Appropriate</li> </ul>	Class Room and





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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
areas	appropriate material <ul style="list-style-type: none"> <li>• Scrub the excess material after drying</li> <li>• Use sandpaper (different grades) for smoothening</li> </ul>	<ul style="list-style-type: none"> <li>• Enlist the names of filling materials.</li> <li>• Explain the methods to fill different types of cracks.</li> </ul> <p><b>Practice</b></p> <ul style="list-style-type: none"> <li>• Demonstrate the procedure to fill the cracks.</li> <li>• Demonstrate repairing of damage area.</li> </ul>	30 hours Practical  Total:37 hours	material (cement sand mortar, Plaster of Paris) <ul style="list-style-type: none"> <li>• Scraper</li> </ul>	workplace
<b>LU3.</b> Remove old paint	<ul style="list-style-type: none"> <li>• Clean the wall</li> <li>• Use sandpaper (different grades) for smoothening</li> <li>• Remove old paint (if any) using a proper scraper</li> <li>• Clean the floor</li> <li>• Dump the residual material properly in the designated area</li> </ul>	<ul style="list-style-type: none"> <li>• Define residual material.</li> <li>• Explain the smooth surface.</li> <li>• Enlist the steps to clean the floor.</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>• Remove old paint by using different technique.</li> </ul>	07 hours Theory  30 hours Practical  Total:37 hours	<ul style="list-style-type: none"> <li>• Broom/brush</li> <li>• Scraper</li> <li>• Sandpaper (different grades)</li> <li>• Polythene sheet</li> <li>• PPEs</li> </ul>	Class Room and workplace



## Module 05 – 0732P&WC04 Match and mix of paint

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for mixing and matching both emulsion and enamel paints as prescribed by the manufacturer.

<b>Duration:</b>	<b>Total hours</b>	<b>100</b>	<b>Practical</b>	<b>90</b>	<b>Theory</b>	<b>10</b>
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Mix Emulsion paint	<ul style="list-style-type: none"> <li>Arrange a plastic bucket</li> <li>Pour the required amount of paint into the bucket</li> <li>Pour the required amount of water as prescribed by the manufacturer</li> <li>Mix the paint properly (by machine or hand mixer)</li> <li>Check the consistency of the paint</li> <li>Apply mixed paint to the surface</li> <li>Match the shade card or</li> </ul>	<ul style="list-style-type: none"> <li>Define types of paint.</li> <li>Describe paint mixing techniques</li> <li>Define consistency of paint</li> <li>Define pigment</li> <li>Knowledge of shade card</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Matching with shade card or old paint</li> <li>Mixing of Emulsion paint</li> <li>Application of paint on surface</li> </ul>	06 hours Theory  45 hours Practical  Total:51 hours	<ul style="list-style-type: none"> <li>Plastic bucket</li> <li>Paint</li> <li>Water</li> <li>Hand Mixer</li> <li>Paint mixing machine</li> <li>Brush</li> <li>Polythene sheet</li> <li>Shade card</li> <li>Pigment</li> </ul>	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	the old paint <ul style="list-style-type: none"> <li>Add water and pigment (if required) until the color is matched as required</li> </ul>			<ul style="list-style-type: none"> <li>PPEs</li> </ul>	
<b>LU2.</b> Mix Enamel paint	<ul style="list-style-type: none"> <li>Arrange a plastic bucket</li> <li>Pour the required amount of paint into the bucket</li> <li>Pour in the required amount of thinner as prescribed by the manufacturer</li> <li>Mix the paint properly (by machine or hand mixer)</li> <li>Check the consistency of the paint</li> <li>Apply mixed paint to the surface</li> <li>Match the shade card or the old paint</li> <li>Add thinner/pigment (if required) until the color is matched as required</li> </ul>	<ul style="list-style-type: none"> <li>Define thinner.</li> <li>Enlist the types of mixing machines.</li> <li>Explain methods of mixing paints</li> <li>Purpose of thinner</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Pour the thinner</li> <li>Mixing of Enamel paint</li> </ul>	04 hours Theory  45hours Practical  Total:49 hours	<ul style="list-style-type: none"> <li>Plastic bucket</li> <li>Paint</li> <li>Thinner</li> <li>Kerosene oil</li> <li>Hand Mixer</li> <li>Paint mixing machine</li> <li>Polythene sheet</li> <li>Brush</li> <li>Shade card</li> <li>Pigment</li> <li>PPEs</li> </ul>	Class Room and workplace



## Module 06 – 0732P&WC05 Assist painter during job

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for helping and assisting the painter during the painting job.

Duration:	Total hours	70	Practical	60	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Provide material	<ul style="list-style-type: none"> <li>Arrange an adequate amount of paint when required for the painter</li> <li>Prepare repair paste</li> <li>Arrange different brushes and rollers as required</li> <li>Arrange mobile scaffolding/ladder as required</li> </ul>	<ul style="list-style-type: none"> <li>Enlist different types of brushes</li> <li>Explain purpose of different brushes</li> <li>Describe purpose of repair paste</li> <li>Explain methods of making different types of repair paste</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Calculate adequate amount of paint</li> <li>Prepare repair paste as per task.</li> </ul>	06 hours Theory  15 hours Practical  Total:21 hours	<ul style="list-style-type: none"> <li>Plastic bucket</li> <li>Paint</li> <li>Thinner</li> <li>Kerosene oil</li> <li>Hand Mixer</li> <li>Paint mixing machine</li> <li>Polythene sheet</li> <li>Brush</li> <li>Roller</li> </ul>	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> <li>• Water</li> <li>• Ladder</li> <li>• Scaffolding with accessories</li> <li>• Shade card</li> <li>• Pigment</li> <li>• PPEs</li> </ul>	
<b>LU2.</b> Mix and Match Paint	<ul style="list-style-type: none"> <li>• Mix the paint as per procedure</li> <li>• Apply matching color scheme with the previously mixed paint</li> </ul>	<ul style="list-style-type: none"> <li>• Enlist mixing procedures of different types of paint.</li> <li>• Procedure of matching color</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>• Mixing of paint as per task</li> </ul>	04 hours Theory  45 hours Practical  Total:49 hours	<ul style="list-style-type: none"> <li>• Plastic bucket</li> <li>• Paint</li> <li>• Thinner</li> <li>• Kerosene oil</li> <li>• Hand Mixer</li> <li>• Paint mixing machine</li> <li>• Polythene sheet</li> <li>• Brush</li> <li>• Shade card</li> <li>• Pigment</li> <li>• PPEs</li> </ul>	Class Room and workplace



## Module 07 – 0732P&WC06 Cleaning tools / equipment after job completion

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for site cleaning, maintenance, and storage of material.

<b>Duration:</b>	<b>Total hours</b>	<b>40</b>	<b>Practical</b>	<b>30</b>	<b>Theory</b>	<b>10</b>
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Clean up the tools	<ul style="list-style-type: none"> <li>• Clean/Wash all the used tools properly</li> <li>• Dry tools</li> <li>• Cover all the tools</li> <li>• Store them properly in tool box.</li> </ul>	<ul style="list-style-type: none"> <li>• Enlist different tools</li> <li>• Describe different methods of washing tools and equipment</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>• Demonstrate cleaning and storage of tools</li> </ul>	04 hours Theory  09 hours Practical  Total:13 hours	<ul style="list-style-type: none"> <li>• Thinner</li> <li>• Kerosene oil</li> <li>• Dusting cloth/cott on waste</li> <li>• Polythene sheet</li> <li>• Brush</li> <li>• PPEs</li> <li>• Scrubbing</li> </ul>	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				brush	
<b>LU2.</b> Clean up the job site	<ul style="list-style-type: none"> <li>Remove all polythene sheets</li> <li>Clean floor using cotton cloth/water/kerosene oil</li> <li>Clean all fixtures affected by paint drops</li> <li>Dump all wastage in the designated area properly</li> </ul>	<ul style="list-style-type: none"> <li>Purpose of polythene sheet</li> <li>Elaborate the use of kerosene oil</li> <li>Enlist different types of waste</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Clean and dump waste to designated area</li> </ul>	03 hours Theory  09 hours Practical  Total:12 hours	<ul style="list-style-type: none"> <li>Thinner</li> <li>Kerosene oil</li> <li>Dusting cloth/cotton waste</li> <li>Water</li> <li>Polythene sheet</li> <li>Brush</li> <li>PPEs</li> </ul>	Class Room and workplace
<b>LU3.</b> Store the material	<ul style="list-style-type: none"> <li>Store remaining materials properly</li> <li>Ensure safe storage of material</li> <li>Cover all materials with polythene sheets completely</li> </ul>	<ul style="list-style-type: none"> <li>Explain methods of storing materials</li> <li>Define overhauling</li> <li>Describe the term safe storage</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Store of materials by applying safety measures</li> </ul>	03 hours Theory  12 hours Practical  Total:15 hours	<ul style="list-style-type: none"> <li>Polythene sheet</li> <li>Lock (if required)</li> <li>PPEs</li> </ul>	Class Room and workplace





## Module 08 – 0732P&WC07 Dispose of waste materials

### Objective:

After completing this module, the learner will be able to apply the skills and knowledge required for disposing of waste which can be a sanitary landfill or any other locally used method.

Duration:	Total hours	50	Practical	30	Theory	20
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
<b>LU1.</b> Characterize the final waste	<ul style="list-style-type: none"> <li>Understand the composition of waste.</li> <li>Differentiate between different types of waste</li> <li>Sort out different types of waste.</li> </ul>	<ul style="list-style-type: none"> <li>Define composition of waste</li> <li>Enlist different types of waste</li> <li>Explain methods of sorting waste</li> <li>Explain methods of collection of waste</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>Sort out different types of waste</li> </ul>	10 hours Theory  15 hours Practical  Total: 25 hours	<ul style="list-style-type: none"> <li>PPEs</li> <li>Waste Bin</li> </ul>	Class Room and workplace
<b>LU2.</b> Dispose of final waste	<ul style="list-style-type: none"> <li>Collect the sorted waste material.</li> <li>Perform disposal of waste</li> </ul>	<ul style="list-style-type: none"> <li>Describe different methods of disposing waste</li> </ul>	10 hours Theory	<ul style="list-style-type: none"> <li>PPEs</li> <li>Waste Bin</li> </ul>	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	material as per standard procedure / designated area	<b>Practice:</b> <ul style="list-style-type: none"> <li>Dispose of waste material as per standard procedure / designated area</li> </ul>	15 hours Practical  Total: 25 hours		