

# SYLLABUS FOR PAINTER TRADE

Prepare metal surface & apply ready primer on metal surface by brush. Apply enamel/ polyester putty or filler on primed surface. Apply enamel paint on primed metal surface by brush. Prepare and paint metallic article by brush. Prepare & colour making for deep painting. Prepare article for deep painting. (Cleaning, rubbing, sanding.) Explain the Electro coat Deeping process & conveyor system with all safety. Identify pneumatic components – Compressor, pressure gauge, Filter, Regulator, and Lubricator. Different types of valves. Explain the safety procedures in spray systems and personal Protective Equipment (PPE). Maintenance, troubleshooting, and safety aspects of pneumatic and Painting instruments, Application of spray gun holding and stroke adjustment, Paint adjustment, air adjustment techniques. Spraying on the surface like as edges, corner, square, round & curved area. Use and apply of paint spray booth& maintenance, troubleshooting, safety aspects. Use & Operation of Oven Setting, temperature & timing. Apply sealant on metallic joints. Preparation of Paint mixing for spray painting. Measure the viscosity of paint. Spray Painting on ornamental objects, with deferent types of paints. Spraying metallic primer on metal surface. Apply Carpatch, Puttyand Filleron metallic surface & preparation. Apply Surfacer on primed or putty finish surface. Spraying finish application for Top Coat. Use of enamel/ N.C. paints. (Or latest paints.) Application of finish undercoat & top coat on machine. Use Enamel/ Epoxy/N.C./ P.U. /paints. (or latest paints.) Preparation of the two wheeler body and spares surface. Priming & surfacing the Two wheeler body and spares surface. Apply finish undercoat & top coat on two wheeler body and spares surface. Use Automotive paints. Apply Graphic sticker on painted surface properly & apply lacquer coat evenly. Use Enamel/ N.C/ P.U. paints/- Solid/ Metallic. (Or latest paints.) Identify the parts of Electrostatic gun assembly & operate it carefully. Identify the parts of Airless gun assembly & Operate it carefully. Demonstrate different types of Spray painting. Pretreatment& Clean the metallic article in chemical(degreasing, de-rusting, activation, phosphating, passivation & water rinsing as where required etc.) Check and identify the Paint defects & its remedies. Test the quality of paints & Painted surfaces by various testing method & instruments. Paint the GI pipe by brush. Paint the sanitary pipe of building. Take & care self precaution& safety. Paint the MS square & round pipe, take all precautions & safety while painting. Do Paint different pipe line with colour code as per ISI. Demonstrate knowledge of safety procedures in Industrial pipe line painting Identify colour code wise– Pipe lines, different types of valves. Do Scrap on corrode metal surface. Cleaning process of metal surface by wire brush or orbital wire brush. Apply burn process on old paint from metal surface by blow lamp or gas flame. Apply dry sanding with help of emery paper/cloth.

Disclaimer : The above syllabus is broadly indicative but not exhaustive