

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. 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. Preparation of Paint mixing for spray painting. Measure the viscosity of paint. Types of paints. 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.) Use Enamel/ N.C/ P.U. paints/-Solid/ Metallic. (Or latest paints.) Identify the parts of Airless gun assembly & Operate it carefully. Demonstrate different types of Spray painting. 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 dry sanding with help of emery paper/cloth. Application of paints in shipping /marine industry.