

## **CY-515 PAINT AND SURFACE COATINGS**

**Paint & Coatings:** Basics of paint and coating, composition and their function.

**Coating Types:** Oil-based coatings, cellulose-based coatings, vinyls, phenolics, acrylics, polyesters, polyurethanes, bituminous coatings, silicone-modified coatings, polyureas, powder coatings, nano-coatings, self-healing coatings, recent new development in paints and coatings.

**Coating Formulation:** Principles of coating formulation, important factors of coating formulation, testing of coatings and its parameters, preparation of technical data sheets.

**Adhesion of Coating:** Principle of adhesion, understanding of adhesion and cohesion, description of substrates, testing of Adhesion.

**Paint Rheology:** Introduction, fundamental of measuring paint rheology, paint rheology during manufacture and storage.

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