

TRAINING IN FORENSIC TOXICOLOGY

Ist Week - Techniques required in Forensic Toxicology

Day 1: Lab safety and Forensic Procedures , Chemical & Reagent Preparation

Day 2: Chemical Analysis Procedures - Titrations, Viscosity, Refractive Index etc

Day 3: Determination and basics of Spectrophotometry

Day 4: Determination by Column & Thin Layer Chromatography

Day 5: Determination by High Performance Liquid Chromatography & Gas Chromatography



IIInd Week - Extraction of Toxic Anions in Forensic Matrices

Day 1: Protein Precipitation or extraction of sample

Day 2: Dialysis of Forensic analysis

Day 3: Selective Chemical Treatment and Microdiffusion of Forensic analysis

Day 4: Ion Exchange Chromatography

Day 5: Solid Phase Micro Extraction of Forensic Sample



IIIrd Week - Extraction of Toxic compound in Forensic Matrices

Day 1: Extraction of Pesticides in Urine & Blood

Day 2: Extraction of Pesticides in Fruits & Vegetables

Day 3: Extraction of Drugs and Poisons of Plant Origin in Biological Matrices

Day 4: Solid Phase Extraction of Drugs from Urine

Day 5: Cleanup using Alumina and Silica Column



IVth Week - Analysis of Forensic Toxicology Samples

Day 1: Analysis of Plant toxicants by different techniques

Day 2: Analysis of Plant Pesticide with analytical techniques

Day 3: Analysis of toxic compound in Urine sample

Day 4: Analysis of toxic compound in Gastric Lavage

Day 5: Analysis in tissue sample



Vth Week - Project Work

We will share our ideas and decide for small piece of research in limited time frame.

Cost of Training : Training Only -INR 10,000 / -
Training + Project - INR 12,000/-

Duration : 80 to 100 Hrs or 4 to 6 Weeks

