

## **CY-519 DYES CHEMISTRY**

**Dyes:** Classification, nomenclature, manufacturing.

**Dye Chromophores:** Reactive dyes, disperse dyes, direct dyes, anthraquinone dyes, indigoids dyes, sulphur dyes, cationic azo dyes, cationic methine dyes, acid dyes, naphthoquinone and benzoquinone dyes.

**Textile Dying:** Cellulose, wool, silk, polyamide, polyesters, acrylic and other fibers.

**Non- Textile Dying:** Leather dyes, fur dyes, paper dyes, hair dyes, food dyes, ink dyes, photographic dyes, indicator dyes.

**Optical Brighteners:** Classes, paper brightening, fibre whitening, textile whitening and colour correcting/brightening additives.

**Health and Safety Aspects:** Health, safety, toxicology, toxicity, sensitization, mutagenicity, carcinogenicity, dye containing wastewater, legislation, special regulation for dyes, environmental chemistry of dyes, end uses (applications).