Fundamentals of Forensic Science

Paper I

**Course Objective:** This course would introduce the students with the basics and fundamentals of Forensic Science. The students will able to know the details and the procedures to be taken while on the crime scene. They will be acquainted with the essential characteristics of questioned document and fingerprint examination. The course shall also expose them to different types of physical, chemical and biological evidences in relation to the crime and their examination.

**Course Outcome:** As a consequence of this course, students will have the following understanding-

**CO 1:** Elements of Forensic Science and its significance.

**CO 2:** Precaution and the procedures to be followed at the scene of crime.

**CO 3:** Basics of Forensic Psychology and related techniques.

**CO 4:** Introduction to Criminal Justice System.

**CO 5:** Different legal provisions related to Forensic.

**Forensic Science:** Introduction, Definition, Scope and Branches of Forensic Science. Basic Principles of Forensic Science. Organizational Set up of Forensic Science Laboratories – Central F.S.L. and State F.S.L.

**Crime Scene Investigation:** Crime Scene Characteristics, Sketching, Photography, Videography, Location, Collection and Preservation of Exhibits/Evidences. Physical, Chemical and Biological Evidence; Types, Significance and Analysis.

**Laws Related to Forensic Science: IPC** (Offences Against Person) 299,300, 302, 304(A), 304(B), 306, 307, 319, 320, 326, 339, 340, 351, 359, 362, 375, 376. (Offences Against Property) 378, 383, 390, 499. **IEA Sections**- 32, 45, 46, 47, 57, 58, 60, 73, 135, 136, 137, 159. **CrPC Sections-** 291, 292, 293

**Indian Judiciary and Criminal Justice System:** Introduction, Hierarchy and Power of the Court. Police Organization at State and Central Level. Role and Functions of Police.

**Fingerprint Examination:** Fingerprint history, development and classification. Physical and chemical methods of fingerprint development. Preserving, lifting and photography of fingerprints.