

MEDICAL JURISPRUDENCE AND FORENSIC SCIENCE (Optional)

- 1. Scientific criminal investigation:** Medical jurisprudence with crime - Forensic science and Crime- Law of forensic science- Principles of Forensic science- Problems of proof -Expert witness - Forensic science institutions- Tools and technology
- 2. Role of investigator:** Identification of Individual – Interrogation – Surveillance – Scene of occurrence- sketching the scene -police photography -Forensic psychology - Voice analysis- Cyber forensics
- 3. Evidentiary clues:** Death Investigation – Identification of Death – Time of Death – Cause of death (Injuries, Asphyxia) Identification of dead- Sexual Offences – Abortion - Infanticide -skeletal remains
- 4. Tracks and Trails:** Tool marks – Firearms – Disputed Documents – Narcotics – Toxicology – Alcohol – Explosives- Fire (Arson) – Vehicles – Fibres – Micro traces
- 5. Genetic tracing:** DNA profiling- Blood- Blood grouping- Blood fluids and other body fluids- Fingerprints – Semen – Hairs

REFERENCE TEXTS

- Dr. Jaising P. Modi , A Textbook of Medical Jurisprudence and Toxicology (Butterworth Heinemann)
- Sharma B R, Forensic Science in Criminal Investigation and Trials (Universal law publishing)
- J Hala & Raju's, Medical Jurisprudence (Eastern Book Company)
- H.J. Walls, Forensic Science: An Introduction to Scientific Crime Detection (New York: Praeger)
- Philips J H &Bower JK, Forensic science and Expert witness (Russell & Russell)
- Richard Saferstein, Criminalistics: An Introduction to Forensic Science (Prentice Hall PTR)
- Anthony J. Bertino ,Forensic Science: Fundamentals and Investigations (Cengage Learning)
- Andrew R. W. Jackson, Julie M. Jackson, Forensic Science (Pearson Hall)
