

DIPLOMA IN FORENSIC SCIENCE AND MEDICAL JURISPRENCE

Course Structure:

MODULE –I UNIT I

1. Introduction to Forensic Science - Definition, Nature, Need & Scope of Forensic Science.
2. Basic Principles & Significance
3. History & Development of Forensic Science
4. Organizational structure of Forensic Science labs in Central & State.

UNIT II

1. Introduction to Medical Jurisprudence
2. Brief History & current scenario at National & International level
3. Role of Forensic Laboratories in India

UNIT III

1. Criminal Justice System and Forensic medicine
2. Important wings of criminal justice system Its structure & functioning,
3. Role of Police officers, prosecution & judicial officers.
4. Role of Forensic scientists, medico-legal doctors.
5. Expert Testimony

UNIT IV

1. Medical evidence - Collection, Packaging, Labelling & Forwarding of exhibits to forensic laboratories.
2. Preservation of evidence Health & Safety Protocols

MODULE –II UNIT I

1. Medico legal aspect of Death
2. Concept of Human Anatomy & Physiology
3. Concept of Consent, Evolution of Informed Consent and its importance
4. Injuries: classification, forms and medico legal aspects
5. Medico Legal Aspects of PM report, Time of Death , Causes of Death Dying Declaration & Expert Testimony (Evidence Act)

UNIT II

1. Legal Aspects Mental Health Act 1987
2. Law relating to ART
- 3.. Medical Termination of Pregnancy Act 1971
5. Prenatal Diagnostic Technique Act 1984 (PCPNDT)
6. Transplantation of Human Organs and Tissues Act 1994

UNIT III

1. Toxicological Analysis - Blood, Semen & other Biological fluids as an evidence

2. Drugs Abuse & Narcotic drugs – NDPS Act
3. Toxicological examination of poisons & alcohol, Toxicological examination of Viscera

UNIT IV

- 1 Shoe impressions, Tool marks, Tyre marks Bite Marks, Hair – Animal & Human, Fibres & Fabrics, Glass, Soil, pollen Paint
- 2 DNA (Recombinant DNA) Fingerprints/Foot prints, Anthropology – Skeletal Remains, Odontology
- 3 Handwriting & Ballistics analysis

MODULE III UNIT I

1. Narco analysis: theory, forensic significance of narco-analysis, admissibility in court, future prospect, case study.
2. Brain mapping- introduction, EEG, P-3000 wave, brain mapping in forensic Science, Limitation of technique, admissibility in court, case study.
3. Polygraph: Principle and technique polygraph as forensic investigative tool, NHRC guidelines for polygraph test, case study.

UNIT II

1. Sexual offences Rape, DFSA (Drug Facilitated Sexual Assault)
2. Examination of the victim & the accused
3. Collection of evidence Infanticide, Abortion,

UNIT III

1. Law relating to Medical Professional
2. Rights and privileges and duties of a registered medical practitioner, Disciplinary proceedings and penal erasure in medical practice.
3. Duties of Doctor Vis-a Vis rights of patient. Medical Negligence: Civil and criminal negligence, contributory negligence, vicarious liability, res ipsa loquitur, prevention of medical negligence and defences in medical negligence suits. (Relevant Case Laws)
4. Clinical Trial

MODULE IV Practical Aspect

1. Recording of dying declaration.
2. Testimony of a Doctor as a expert witness.
3. Collection of sample – medico legal evidence
4. Medico-legal duties in case of poisoning, accident, burn injuries, unnatural death etc
5. Examination of injuries, weapons and report writing.
6. Case study in sexual offences and report writing.

