

## OBJECTIVES

### **Legal Procedure:**

Enumerate the different Criminal Courts and their powers in India.

Describe the different types of inquests held in India.

Describe the procedure of recording of evidence in a Court.

Enumerate/describe the different types of evidence / describe the procedure of recording dying declaration and dying deposition.

Explain the different types of witnesses and enumerate the duties the doctor /conduct of a doctor in the witness box.

### **Identification:**

Enumerate the standard procedure for establishing the identity in relation to age, sex and their medicolegal importance.

Explain the methods of determining the race & stature.

Explain the following terms and their significance in medicolegal practice: Dactylography, poroscopy, hairs, scars, tattoo & superimposition.

Explain the procedure of DNA finger printing and its medicolegal applications.

### **Medicolegal Autopsy:**

Explain the objectives and the rules and regulations governing the medicolegal autopsy.

Routine procedures for performing medicolegal autopsy. Special care for postmortem of unknown body.

Interpret the findings of skeletal remains.

Describe the legal requirements and procedure governing exhumation. Describe the negative and obscure autopsy and medicolegal importance.

### **Thanatology:**

Define and explain death, types of death, suspended animation and their medicolegal significance.

Describe modes, causes, manner of death and medicolegal importance of sudden death.

Explain the term Brain Stem Death, its significance and the tests to ascertain brain stem death.

Describe the various postmortem changes (immediate, early and late) and their medicolegal significance.

### **Medical Ethics and Law:**

Explain the functions of Indian Medical Council & State Medical Council.

Explain the Duties and the Rights of a Registered Medical Practitioner.

Define and explain with examples the term "Professional Misconduct" and the disciplinary action and the procedure for appeal when punished.

Define Medical negligence; explain the ingredients of negligence and its defenses.

Define/ explain Consent, types of consent and their relevance in Medical Practice.

Explain the different consumer forums and their powers.

Explain the rules and regulations governing Human Organ Transplantation Act.

### **Injuries / Trauma:**

Define and classify injuries.

Describe the different types of weapons used in causing the injuries.

Describe abrasions, contusions, lacerations, incised wounds, stab wounds, chop wounds and their medicolegal significance.

Classify firearms and describe firearm wounds with reference to the probable weapon causing it and their medicolegal significance.

Describe head injuries (scalp, skull, meninges and brain, spinal column and neck).

Describe the complications and causes of death from injuries.

Describe the injuries sustained by the driver, occupants and pedestrian in a Road Traffic accident.

Describe the medicolegal importance of injuries, hurt & grievous hurt.

Describe thermal injuries (burns, scalds, injuries due to cold), electricity, lightning and their medicolegal significance.

Violation of Human Rights and Medical profession.

**Asphyxial deaths:**

Define and classify Asphyxial deaths.

Describe the pathophysiology, signs and symptoms of Asphyxial death. Describe the different types of hanging, strangulation, suffocation and drowning & their postmortem findings. Significance of sexual Asphyxia, Traumatic Asphyxia.

**Sexual Jurisprudence**

Describe the signs of virginity, pregnancy, delivery and their medicolegal significance.

List the causes of impotency and their medicolegal importance.

Explain the precautions for Artificial Insemination and its medicolegal implications.

Describe MTP Act, the signs of abortion & criminal abortion and its medicolegal significance.

Classify sexual offences.

Define Rape and describe the findings on a victim/accused in a case of rape.

Rape trauma syndrome.

Describe Sodomy and findings on a victim/accused in a case of sodomy. Explain the methods adopted to commit infanticide and autopsy procedure in a case of infanticide. Explain/describe the terms viability, stillbirth, dead born, live born. Describe the findings in Battered baby syndrome, Sudden infant death syndrome and their medicolegal importance.

**Psychiatry:**

Define/explain delusion, Hallucination, Illusion, impulse, lucid interval and other related terms and their medicolegal significance.

Explain the different types of restraint of mentally ill person.

Describe feigned insanity and differentiate it from true insanity.

Describe the civil and criminal responsibilities of a mentally ill person.

**Forensic Science Laboratory:**

List the various sections of Forensic Science Laboratory.

Mention/describe the tests for detecting biological stains like blood and semen.

Describe the various analytical methods to detect poison.

**Toxicology:**

Classify poisons.

Describe the factors modifying the actions of poisons.

Enumerate / describe the duties of a doctor in case of suspected poisoning (legal and medical).

Explain the diagnostic features and the management of acute / chronic poisoning of the following poisons:

- Corrosive acids/ alkalis, phosphorus and insecticides.
- Heavy metals like arsenic, lead, mercury, copper.
- Common vegetable and animal irritants, snake bite, differentiate poisonous and non poisonous snake.
- Somniferous, inebriant, deliriant, cardiac, spinal poisons and asphyxiants.
- Food poisoning, drug abuse and deaths associated with it.

### **OBJECTIVES FOR THE CERTIFIABLE SKILL/OSPE/OSCE**

Examine the given set of bones and determine the age and sex (skull, mandible, femur, hip bone, sacrum).

Examine and determine the age from the X-rays of the following areas: shoulder, elbow, wrist, hip, knee and ankle joint.

Determine the age by dental examination.

Identify and interpret the significance of wet specimen, HPE slides, photographs, weapons, common vegetable poisons, chemical poisons, poisonous snakes & insects, appliances & instruments of medicolegal significance (including autopsy instruments)

Draft the following certificates during routine medical practice:

- a. Birth Intimation letter.
- b. Death intimation letter.
- c. Certification of death.
- d. Sick leave certificate.
- e. Fitness certificate after sick leave.
- f. Consent form.
- g. Injury certificate.
- h. Potency certificate.
- i. Drunkenness certificate.
- ❖ Documents for medicolegal post mortem.
- ❖ Interpret the findings given in the post mortem summary.
- ❖ Describe and interpret the autopsy findings (witnessing 10 autopsies in mandatory as per MCI Regulation).