

FORENSIC MEDICINE MBBS SYLLABUS

(As per MCI Recommendations 1997) Total Classes: 70

1. Introduction & Jurisprudence
 - a. **Introduction** **1**
 - i. Definitions, synonyms, history, modern, divisions
 - b. **Legal Procedure** **3**
 - i. Introduction, legal terms, courts, inquest
 - ii. Evidence in court, medical evidence, dying declaration
 - iii. Witness, doctor in witness box, exhumation
 - iv. Workman's compensation act
 - c. **Medical Ethics** **6**
 - i. Introduction, MCI, SMC, functions
 - ii. RMP, duties, privileges
 - iii. Infamous conduct, misconduct, punishment, appeal
 - iv. Malpractice, negligence, CPA, medical indemnity insurance
 - v. Consent, relevance
 - vi. Euthanasia

2. Forensic Pathology
 - a. **Forensic Identity** **2**
 - i. Introduction, definition, types, corpus delicti, factors, odontology, DNA finger printing
 - ii. Determine age and sex in living and dead
 - iii. ML importance of age
 - b. **Thanatology** **6**
 - i. Introduction, types of death, somatic, molecular, brain stem
 - ii. Organ transplantation, moment of death, sudden death
 - iii. PM changes: immediate, early, late, adipocere, mummification
 - iv. ML importance of death and changes after death
 - c. **Medicolegal Autopsy** **2**
 - i. Objectives, rules, procedure, negative autopsy
 - ii. Skeletal remains examination
 - d. **Asphyxial Deaths** **5**
 - i. Introduction, pathophysiology, signs, symptoms
 - ii. Hanging: definition, types, causes of death, PM findings, MLI
 - iii. Strangulation, suffocation, traumatic asphyxia: definition, types, causes of death, PM findings, MLI
 - iv. Drowning: definition, types, mechanism, causes of death, PM findings, diatom test, MLI

3. Clinical Forensic Medicine

a. Trauma / Mechanical injuries	8
i. Introduction, definition, injury, hurt, classification	
ii. Blunt force trauma: abrasions, contusions, lacerations, complications, MLI	
iii. Sharp force trauma: incised, stab, chop wounds, complications, MLI	
iv. Firearm injuries: PM, examination, injury, death, collection and preservation bullets, etc.	
v. Head injury: mechanism, scalp, skull, brain, spinal, intra-cranial hemorrhages	
vi. Road Traffic Accidents, Burns, Scalds, Electrocutation, Lightening	
vii. Medicolegal aspects	
b. Sexual Jurisprudence	3
i. Virginity, pregnancy, MTP, criminal abortion, delivery, paternity, impotence, sterility, incest: Explanation, MLI	
ii. Rape, sodomy: examination, details	
c. Infanticide	2
i. Viability, Haase's Rule, live birth, dead birth, still birth, tests, time of survival, cause of death: examination, explanation	
ii. Battered baby syndrome, Sudden infant death syndrome	
d. Forensic Psychiatry	2
i. Insanity, feigned insanity, McNaughten rules, restraint of insane	
ii. Civil and criminal responsibilities of insane, Mental health act 1987	
4. Toxicology	
a. General Principles	6
i. Toxicology, poison, epidemiology	
ii. ML aspects, laws, schedules, IPC, duty of doctor	
iii. General diagnosis and management	
iv. Preservation and dispatch of viscera	
v. Analytical toxicology: bedside and common lab tests, TLC, HPLC, GC, UVS	
vi. Occupational, environmental toxicology	
vii. Classification	
b. Corrosives	2
i. Inorganic: H ₂ SO ₄ , HNO ₃ , HCl	
ii. Organic: Phenol, oxalic acid, formic acid	
c. Irritants	6
i. Inorganic non-metallic: phosphorus, halogens	
ii. Inorganic metallic: lead, mercury, copper, iron	
iii. Organic vegetable: abrus, castor, croton, calotropis, semicarpus, ergot	
iv. Organic animal: insects, bees, wasp, scorpion, snake: diagnosis, management	
v. Mechanical	
d. Inebriants	2
i. Ethanol, methanol, ethylene glycol, isopropanol, benzodiazepines	

e. Somniferous and Sedative Hypnotics	
2	
i. Opium, barbiturates	
f. Deliriant	2
i. Dhatura, cannabis, cocaine	
g. Insecticides	2
i. OPC, OCC, carbamates, pyrethroids, celphos	
h. Cardiac/Spinal	
1	
i. Oleander, aconite, tobacco, strychnine	
i. Asphyxiants	2
i. Cyanides, CO, CO ₂	
j. Domestic/Household poisons	
1	
i. Kerosene, disinfectants, cosmetics, cleansing agents	
k. Therapeutic drug toxicity	1
i. Salicylates, paracetamol, antidepressants, antipsychotics	
l. Food Poisoning	
1	
i. Bacterial, viral, chemical, mushrooms	
m. Drug Abuse	2

Practicals (30)

1. Exercises

- a. Post-mortem certificate
- b. Age estimation from X-ray
- c. Injury certificate
- d. Drunkenness certificate
- e. Death certificate
- f. Potency certificate
- g. Viscera Analysis
- h. Examination of rape victim
- i. Examination of rape accused
- j. Toxicology case
- k. Practical problems

2. Objectives

- a. Observations and inferences in Medicolegal cases
- b. Observation and interpretation of post mortem findings
- c. Observation of medical ethics

Diagnosis and treatment of common poisoning emergencies