

CONTENTS

SECTION I: FORENSIC MEDICINE

1. Introduction	1
2. Legal Procedure	5
3. Medical Law and Ethics	18
4. Identification	41
5. Medicolegal Autopsy	75
6. Death and Its Cause	99
7. Postmortem Changes	111
8. Mechanical Injuries	133
9. Regional Injuries	185
10. Medicolegal Aspects of Wounds	223
11. Thermal Deaths	242
12. Starvation	259
13. Mechanical Asphyxia	261
14. Anaesthetic and Operative Deaths	293
15. Impotence and Sterility	297
16. Virginity, Pregnancy and Delivery	303
17. Abortion	312
18. Sexual Offences	320
19. Infant Deaths	339
20. Blood Stains	347
21. Artefacts	359
22. Forensic Science Laboratory	364
23. Forensic Psychiatry	368

SECTION II: TOXICOLOGY

24. General Considerations	380
25. Agricultural Poisons	395
26. Corrosive Poisons	402
27. Metallic Poisons	408
28. Inorganic Irritant Poisons	417
29. Organic Irritant Poisons	420
30. CNS Depressants	432

31. Psychotropic Drugs	450
32. Deliriant Poisons	454
33. Substance (Drug) Dependence and Abuse	460
34. Spinal Poisons	466
35. Cardiac Poisons	469
36. Asphyxiants	473
37. Miscellaneous Poisons	481
38. Food Poisoning	485

<i>Appendices</i>	489
-------------------	-----

Appendix-I: Glossary of Legal Terms 489

Appendix-II: Indian and International Medical Profession Acts and Declarations 491

Appendix-III: Formulae for Estimation of Stature 498

Appendix-IV: Analytical Methods in Toxicology 500

Appendix-V: Forensic Microscopy 503

Appendix-VI: Postmortem Requisition and Postmortem Examination 504

Appendix-VII: Intimation to Police 510

Appendix-VIII: Medical Certificates of Different Variety 511

Appendix-IX: Normal Weights and Measures 519

Appendix-X: Maharshi Charak Shapath 520

Index

Mybooksfactory.com 521

COMPETENCY TABLE

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM1.1	Demonstrate knowledge of basics of forensic medicine like definitions of forensic medicine, clinical forensic medicine, forensic pathology, state medicine, legal medicine and medical jurisprudence	K	KH	N	Lecture, small group discussion	Written/ viva voce	1
FM1.2	Describe history of forensic medicine	K	KH	N	Lecture, small group discussion	Written/ viva voce	1
FM1.3	Describe legal procedures including Criminal Procedure Code, Indian Penal Code, Indian Evidence Act, Civil and Criminal Cases, Inquest(Police Inquest and Magistrate's Inquest), cognizable and non-cognizable offences	K	KH	N	Lecture, small group discussion	Written/ viva voce	2
FM1.4	Describe Courts in India and their powers: Supreme Court, High Court, Sessions Court, Magistrate's Court, Labour Court, Family Court, Executive Magistrate Court and Juvenile Justice Board	K	KH	N	Lecture, small group discussion	Written/ viva voce	2
FM1.5	Describe court procedures including issue of summons, conduct money, types of witnesses, recording of evidence oath, affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence and conduct of doctor in witness box	K	KH	N	Lecture, small group discussion, Moot Court	Written/ viva voce	2
FM1.6	Describe offenses in court including perjury; court strictures vis-a- vis medical officer	K	KH	N	Lecture, small group discussion	Written/ viva voce	2
FM1.7	Describe dying declaration and dying deposition	K	KH	Y	Lecture, small group discussion	Written/ viva voce	2
FM1.9	Describe the importance of documentation in medical practice in regard to medicolegal examinations, medical certificates and medicolegal reports especially: <ul style="list-style-type: none"> Maintenance of patient case records, discharge summary, prescribed registers to be maintained in health centres Maintenance of medicolegal register like accident register Documents of issuance of wound certificate Documents of issuance of drunkenness certificate Documents of issuance of sickness and fitness certificate Documents for issuance of death certificate—documents of Medical Certification of Cause of Death—Form Number 4 and 4A Documents for estimation of age by physical, dental and radiological examination and issuance of certificate 	K	KH	Y	Lecture, small group discussion	Written/ viva voce	3
FM2.1	Define, describe and discuss death and its types including somatic/clinical/cellular, molecular and brain-death, cortical death and brainstem death	K	KH	Y	Lecture/small group discussion	Written/ viva voce	6
FM2.2	Describe and discuss natural and unnatural deaths	K	KH	Y	Lecture, small group discussion	Written/ viva voce	6
FM2.3	Describe and discuss issues related to sudden natural deaths	K	KH	Y	Lecture, small group discussion	Written/ viva voce	6

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM2.5	Discuss moment of death, modes of death—coma, asphyxia and syncope	K	KH	Y	Lecture, small group discussion	Written/ viva voce	6
FM2.6	Discuss presumption of death and survivorship	K	KH	Y	Lecture, small group discussion	Written/ viva voce	7
FM2.7	Describe and discuss suspended animation	K	KH	Y	Lecture, small group discussion	Written/ viva voce	7
FM2.8	Describe and discuss postmortem changes including signs of death, cooling of body, postmortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	7
FM2.9	Describe putrefaction, mummification, adipocere and maceration	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	7
FM2.10	Discuss estimation of time since death	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	7
FM2.11	Describe and discuss autopsy procedures including postmortem examination, different types of autopsies, aims and objectives of postmortem examination	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	5
FM2.12	Describe the legal requirements to conduct postmortem examination and procedures to conduct medicolegal postmortem examination	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	5
FM2.13	Describe and discuss obscure autopsy	K	KH	Y	Lecture, small group discussion	Written/ viva voce	6
FM2.14	Describe and discuss examination of clothing, preservation of viscera on postmortem examination for chemical analysis and other medicolegal purposes, postmortem artefacts	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	5, 21
FM2.15	Describe special protocols for conduction of medicolegal autopsies in cases of death in custody or following violation of human rights as per National Human Rights Commission Guidelines	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	10
FM2.16	Describe and discuss examination of mutilated bodies or fragments, charred bones and bundle of bones	K	KH	Y	Lecture, small group discussion, DOAP session	Written/ viva voce/ OSPE	5
FM2.17	Describe and discuss exhumation	K	KH	Y	Lecture, small group discussion	Written/ viva voce	5
FM2.18	Crime scene investigation: Describe and discuss the objectives of crime scene visit, the duties and responsibilities of doctors on crime scene and the reconstruction of sequence of events after crime scene investigation	K	KH	Y	Lecture, small group discussion	Written/ viva voce	2
FM2.19	Investigation of anaesthetic, operative deaths: Describe and discuss special protocols for conduction of autopsy and for collection, preservation and dispatch of related material evidences	K	KH	Y	Lecture, small group discussion	Written/ viva voce	14
FM2.20	Mechanical asphyxia: Define, classify and describe asphyxia and medicolegal interpretation of postmortem findings in asphyxial deaths	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	13

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM2.21	Mechanical asphyxia: Describe and discuss different types of hanging and strangulation including clinical findings, causes of death, postmortem findings and medicolegal aspects of death due to hanging and strangulation including examination, preservation and dispatch of ligature material	K	KH	Y	Lecture/small group discussion, autopsy DOAP session	Written/ viva voce/ OSPE	13
FM2.22	Mechanical asphyxia: Describe and discuss pathophysiology, clinical features, postmortem findings and medicolegal aspects of traumatic asphyxia, obstruction of nose and mouth, suffocation and sexual asphyxia	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	13
FM2.23	Describe and discuss types, pathophysiology, clinical features, postmortem findings and medicolegal aspects of drowning, diatom test and, gettler test	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	13
FM2.24	Thermal deaths: Describe the clinical features, postmortem finding and medicolegal aspects of injuries due to physical agents like heat [heat—hyperpyrexia, heat stroke, sun stroke, heat exhaustion/prostration, heat cramps(miner's cramp) or cold(systemic and localized hypothermia, frostbite, trench foot, immersion foot)]	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce	11
FM2.25	Describe types of injuries, clinical features, pathophysiology, postmortem findings and medicolegal aspects in cases of burns, scalds, lightning, electrocution and radiations	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	11
FM2.26	Describe and discuss clinical features, postmortem findings and medicolegal aspects of death due to starvation and neglect	K	KH	Y	Lecture/small group discussion	Written/ viva voce	12
FM2.27	Define and discuss infanticide, foeticide and stillbirth	K	KH	Y	Lecture, small group discussion	Written/ viva voce	19
FM2.28	Describe and discuss signs of intrauterine death, signs of live birth, viability of foetus, age determination of foetus, DOAP session of ossification centres, hydrostatic test, sudden infants death syndrome and Munchausen's syndrome by proxy	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSCE	19
FM3.1	Identification: Define and describe corpus delicti, establishment of identity of living persons including race, sex, religion, complexion, stature, age determination using morphology, teeth-eruption, decay, bite marks, bones ossification centres, medicolegal aspects of age	K	KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ skill assessment	4
FM3.2	Identification: Describe and discuss identification of criminals, unknown persons, dead bodies from the remains—hairs, fibers, teeth, anthropometry, dactylography, foot prints, scars, tattoos, poroscopy and superimposition	K	KH	Y	Lecture, small group discussion	Written/ viva voce	4
FM3.3	Mechanical injuries and wounds: Define, describe and classify different types of mechanical injuries, abrasion, bruise, laceration, stab wound, incised wound, chop wound, defense wound, self-inflicted/fabricated wounds and their medicolegal aspects	K	KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE	8
FM3.4	Mechanical injuries and wounds: Define injury, assault and hurt. Describe IPC pertaining to injuries	K	KH	Y	Lecture, small group discussion	Written/ viva voce	10
FM3.5	Mechanical injuries and wounds: Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe antemortem and postmortem injuries	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	10
FM3.6	Mechanical injuries and wounds: Describe healing of injury and fracture of bones with its medicolegal importance	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	8

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM3.7	Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and secondary	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	10
FM3.8	Mechanical injuries and wounds: Describe and discuss different types of weapons including dangerous weapons and their examination	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	10
FM3.9	Firearm injuries: Describe different types of firearms including structure and components. Along with description of ammunition propellant charge and mechanism of firearms, different types of cartridges and bullets and various terminology in relation of firearm—caliber, range, choking	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	8
FM3.10	Firearm injuries: Describe and discuss wound ballistics—different types of firearm injuries, blast injuries and their interpretation, preservation and dispatch of trace evidences in cases of firearm and blast injuries, various tests related to confirmation of use of firearms	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE	8
FM3.11	Regional injuries: Describe and discuss regional injuries to head(scalp wounds, fracture skull, intracranial haemorrhages, coup and contrecoup injuries), neck, chest, abdomen, limbs, genital organs, spinal cord and skeleton	K	K/KH	Y	Lecture, small group discussion, bedside clinic or autopsy, DOAP session	Written/ viva voce/ OSCE/ OSPE	9
FM3.12	Regional injuries: Describe and discuss injuries related to fall from height and vehicular injuries—primary and secondary impact, secondary injuries, crush syndrome, railway spine	K	K/KH	Y	Lecture, small group discussion, bedside clinic or autopsy, DOAP session	Written/ viva voce/ OSCE/ OSPE	9
FM3.13	Describe different types of sexual offences. Describe various sections of IPC regarding rape including definition of rape(Section 375 IPC), punishment for rape(Section 376 IPC) and recent amendments notified till date	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce/ OSCE/ OSPE	18
FM3.14	Sexual offences: Describe and discuss the examination of the victim of an alleged case of rape, and the preparation of report, framing the opinion and preservation and despatch of trace evidences in such cases	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE	18
FM3.15	Sexual offences: Describe and discuss examination of accused and victim of sodomy, preparation of report, framing of opinion, preservation and despatch of trace evidences in such cases	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE	18
FM3.16	Sexual offences: Describe and discuss adultery and unnatural sexual offences—sodomy, incest, lesbianism, buccal coitus, bestiality, indecent assault and preparation of report, framing the opinion and preservation and despatch of trace evidences in such cases	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	18
FM3.17	Describe and discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, necrophilia	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	18
FM3.18	Describe anatomy of male and female genitalia, hymen and its types. Discuss the medicolegal importance of hymen. Define virginity, defloration, legitimacy and its medicolegal importance	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	16
FM3.19	Discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy, precipitate labour superfoetation, superfecundation and signs of recent and remote delivery in living and dead	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	16

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM3.20	Discuss disputed paternity and maternity	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	20
FM3.22	Define and discuss impotence, sterility, frigidity, sexual dysfunction, premature ejaculation. Discuss the causes of impotence and sterility in male and female	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	15
FM3.23	Discuss sterilization of male and female, artificial insemination, test tube baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	15
FM3.24	Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme	K	K/KH	N	Lecture/small group discussion	Written	15
FM3.26	Discuss the national guidelines for accreditation, supervision and regulation of ART clinics in India	K	K/KH	Y	Lecture/small group discussion	Written	15
FM3.27	Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act 1971	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	17
FM3.28	Describe evidences of abortion—living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	17
FM3.29	Describe and discuss child abuse and battered baby syndrome	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	19
FM3.30	Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	10
FM3.31	Torture and human rights: Describe and discuss guidelines and protocols of National Human Rights Commission regarding torture	K	K/KH	N	Lecture/small group discussion	Written/ viva voce	10
FM4.1	Describe medical ethics and explain its historical emergence	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.2	Describe the Code of Medical Ethics 2002 conduct, etiquette and ethics in medical practice and unethical practices and the dichotomy	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.3	Describe the functions and role of Medical Council of India and State Medical Councils	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.4	Describe the Indian Medical Register	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.5	Rights/privileges of a medical practitioner, penal erasure, infamous conduct, disciplinary committee, disciplinary procedures, warning notice and penal erasure	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.6	Describe the laws in relation to medical practice and the duties of a medical practitioner towards patients and society	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.7	Describe and discuss the ethics related to HIV patients	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	6
FM4.10	Describe communication between doctors, public and media	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.11	Describe and discuss euthanasia	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.12	Discuss legal and ethical issues in relation to stem cell research	K	KH	Y	Lecture/small group discussion	Written/ viva voce	15
FM4.14	Describe and discuss the challenges in managing medicolegal cases including development of skills in relationship management—human behaviour, communication skills, conflict resolution techniques	K	KH	Y	Lecture/small group discussion	Written/ viva voce	2

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM4.15	Describe the principles of handling pressure—definition, types, causes, sources and skills for managing the pressure while dealing with medicolegal cases by the doctor	K	KH	Y	Lecture/small group discussion	Written/ viva voce	2
FM4.17	Describe and discuss ethical principles: Respect for autonomy, non- malfeasance, beneficence and justice	K	KH	Y	Lecture/small group discussion	Written/ viva voce	1
FM4.18	Describe and discuss medical negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability, res ipsa loquitur, prevention of medical negligence and defenses in medical negligence litigations	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.19	Define consent. Describe different types of consent and ingredients of informed consent. Describe the rules of consent and importance of consent in relation to age, emergency situation, mental illness and alcohol intoxication	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.20	Describe therapeutic privilege, malingering, therapeutic misadventure, professional secrecy, human experimentation	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.21	Describe products liability and medical indemnity insurance	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.22	Explain Oath—Hippocrates, Charaka and Sushruta and procedure for administration of Oath.	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.23	Describe the modified declaration of Geneva and its relevance	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM4.24	Enumerate rights, privileges and duties of a Registered Medical Practitioner. Discuss doctor-patient relationship: professional secrecy and privileged communication	K	KH	Y	Lecture/small group discussion	Written/ viva voce	3
FM5.1	Classify common mental illnesses including posttraumatic stress disorder(PTSD)	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	23
FM5.2	Define, classify and describe delusions, hallucinations, illusion, lucid interval and obsessions with exemplification	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	23
FM5.3	Describe civil and criminal responsibilities of a mentally ill person	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	23
FM5.4	Differentiate between true insanity from feigned insanity	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	23
FM5.5	Describe and discuss delirium tremens	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	30
FM5.6	Describe the Indian Mental Health Act, 1987 with special reference to admission, care and discharge of a mentally ill person	K	K/KH	N	Lecture/small group discussion	Written/ viva voce	23
FM6.1	Describe different types of specimen and tissues to be collected both in the living and dead: Body fluids(blood, urine, semen, faeces saliva), skin, nails, tooth pulp, vaginal smear, viscera, skull, specimen for histopathological examination, blood grouping, HLA typing and DNA fingerprinting. Describe Locard’s exchange principle	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	22
FM6.2	Describe the methods of sample collection, preservation, labelling, dispatch, and interpretation of reports	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	22
FM7.1	Enumerate the indications and describe the principles and appropriate use for: <ul style="list-style-type: none"> • DNA profiling • Facial reconstruction • Polygraph(Lie detector) • Narcoanalysis, • Brain mapping • Digital autopsy • Virtual autopsy • Imaging technologies 	K	K/KH	N	Lecture/small group discussion	Written/ viva voce	22

COMPETENCY Number	The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM8.1	Describe the history of toxicology	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	24
FM8.2	Define the terms toxicology, forensic toxicology, clinical toxicology and poison	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	24
FM8.3	Describe the various types of poisons, toxicokinetics, and toxicodynamics and diagnosis of poisoning in living and dead	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	24
FM8.4	Describe the laws in relations to poisons including NDPS Act, medicolegal aspects of poisons	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	24, 31
FM8.5	Describe medicolegal autopsy in cases of poisoning including preservation and dispatch of viscera for chemical analysis	K	K/KH	Y	Lecture/small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE	5
FM8.8	Describe basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination	K	K/KH	Y	Lecture/small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE	24
FM8.9	Describe the procedure of intimation of suspicious cases or actual cases of foul play to the police, maintenance of records, preservation and despatch of relevant samples for laboratory analysis	K	K/KH	Y	Lecture/small group discussion	Written/ viva voce	24
FM9.1	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Caustics inorganic—sulphuric, nitric, and hydrochloric acids; organic—carbolic acid(phenol), oxalic and acetylsalicylic acids	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	26
FM9.2	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to phosphorus, Iodine, barium	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	28
FM9.3	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to arsenic, lead, mercury, copper, iron, cadmium and thallium	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	27
FM9.4	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to ethanol, methanol, ethylene glycol	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	30
FM9.5	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to organophosphates, carbamates, organochlorines, pyrethroids, paraquat, aluminium and zinc phosphide	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	25
FM9.6	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to ammonia, carbon monoxide, hydrogen cyanide and derivatives, methyl isocyanate, tear(riot control) gases	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	36

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested teaching learning method	Suggested assessment method	Chapter number
FM10.1	Describe general principles and basic methodologies in treatment of poisoning: Decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: <ul style="list-style-type: none"> • Antipyretics—paracetamol, salicylates • Anti-infectives (common antibiotics—an overview) • Neuropsychotoxicology barbiturates, benzodiazepines, phenytoin, lithium, haloperidol, neuroleptics, tricyclics • Narcotic analgesics, anaesthetics, and muscle relaxants • Cardiovascular toxicology, cardiotoxic plants—oleander, aconite, digitalis • Gastrointestinal and endocrinal drugs—insulin 	K	K/KH	Y	Lecture/small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE	37
FM11.1	Describe features and management of snake bite, scorpion sting, bee and wasp sting and spider bite	K	K/KH	Y	Lecture/small group discussion, autopsy	Written/ viva voce	29
FM12.1	Describe features and management of abuse/poisoning with following chemicals: Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs and solvent	K	K/KH	Y	Lecture/small group discussion, autopsy	Written/ viva voce	32, 33
FM14.17	To identify and draw medicolegal inference from common poisons, e.g., datura, castor, cannabis, opium, aconite, copper sulphate, pesticides compounds, marking nut, oleander, nux vomica, abrus seeds, snakes, capsicum, calotropis, lead compounds and tobacco	S	KH	Y	Small group discussion, DOAP session	Logbook/ viva voce	32, 34

Mybooksfactory.com