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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| **FORENSIC MEDICINE & TOXICOLOGY** | | | | | | | | | | | |
| **Topic: General Information** | | **Number of competencies: (11)** | | | | | **Number of procedures that require certification: (NIL)** | | | |  |
| 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 |  |  |  |
| FM1.2 | Describe history of Forensic Medicine | | K | KH | N | Lecture, Small Group Discussion | | Written/ Viva voce |  |  |  |
| 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 |  |  |  |
| 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 |  |  |  |
| 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 & conduct of doctor in witness box | | K | KH | N | Lecture, Small Group Discussion, Moot Court | | Written/ Viva voce |  |  |  |
| 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 |  |  |  |
| FM1.7 | Describe Dying Declaration & Dying Deposition | | K | KH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  |  |  |
| FM1.8 | Describe the latest decisions/notifications/resolutions/ circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc. | | K | KH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM1.9 | Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports especially   * maintenance of patient case records, discharge summary, prescribed registers to be maintained in Health Centres. * maintenance of medico-legal 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 Number4 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 |  | Radiodiagnosis, General Surgery, General Medicine, Pediatrics |  |
| FM1.10 | Select appropriate cause of death in a particular scenario by referring ICD 10 code | K | KH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  |  |  |
| FM1.11 | Write a correct cause of death certificate as per ICD 10 document | S | SH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  |  |  |
| **Topic: Forensic Pathology** | | **Number of competencies: (35)** | | | | **Number of procedures that require certification : (NIL)** | | | |  |
| 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 |  | Pathology |  |
| FM2.2 | Describe and discuss natural and unnatural deaths | K | KH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  | Pathology |  |
| FM2.3 | Describe and discuss issues related to sudden natural deaths | K | KH | Y | Lecture, Small Group Discussion | | Written/ Viva voce |  | Pathology |  |
| FM2.4 | Describe salient features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation | K | KH | Y | Lecture/Small group discussion | | Written/ Viva voce |  | AETCOM |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM2.5 | Discuss moment of death, modes of death - coma, asphyxia and syncope | K | KH | Y | Lecture, Small Group Discussion | Written/ Viva voce |  | Psychiatry, Pathology |  |
| FM2.6 | Discuss presumption of death and survivorship | K | KH | Y | Lecture, Small Group Discussion | Written/ Viva voce |  |  |  |
| FM2.7 | Describe and discuss suspended animation | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  |  |  |
| FM2.8 | Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.9 | Describe putrefaction, mummification, adipocere and maceration | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.10 | Discuss estimation of time since death | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.11 | Describe and discuss autopsy procedures including post-mortem examination, different types of autopsies, aims and objectives of post-mortem examination | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  | Pathology |  |
| FM2.12 | Describe the legal requirements to conduct post-mortem examination and procedures to conduct medico-legal post-mortem examination | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  | Pathology |  |
| FM2.13 | Describe and discuss obscure autopsy | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pathology |  |
| FM2.14 | Describe and discuss examination of clothing, preservation of viscera on post-mortem examination for chemical analysis and other medico-legal purposes, post-mortem artefacts | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM 2.15 | Describe special protocols for conduction of medico-legal 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 |  |  |  |
| 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 |  |  |  |
| FM2.17 | Describe and discuss exhumation | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  |  |  |
| FM2.18 | Crime Scene Investigation:-  Describe and discuss the objectives of crime scene visit, the duties & 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 |  |  |  |
| 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 |  | Anesthesiology, General Surgery |  |
| FM2.20 | Mechanical asphyxia:  Define, classify and describe asphyxia and medico-legal interpretation of post-mortem findings in asphyxial deaths | K | KH | Y | Lecture, Small group discussion,  Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.21 | Mechanical asphyxia:  Describe and discuss different types of hanging and strangulation including clinical findings, causes of death, post-mortem findings and medico-legal 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 |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM2.22 | Mechanical asphyxia:  Describe and discuss patho-physiology, clinical features, post- mortem findings and medico-legal aspects of traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.23 | Describe and discuss types, patho-physiology, clinical features, post mortem findings and medico-legal aspects of drowning, diatom test and, gettler test. | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.24 | Thermal deaths: Describe the clinical features, post-mortem finding and medicolegal aspects of injuries due to physical agents like heat (heat-hyper-pyrexia, 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 |  |  |  |
| FM2.25 | Describe types of injuries, clinical features, patho-physiology, post- mortem findings and medico-legal aspects in cases of burns, scalds, lightening, electrocution and radiations | K | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  | General Surgery |  |
| FM2.26 | Describe and discuss clinical features, post-mortem findings and medico-legal aspects of death due to starvation and neglect | K | KH | Y | Lecture/Small group discussion | Written/ Viva voce |  |  |  |
| FM2.27 | Define and discuss infanticide, foeticide and stillbirth | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pediatrics |  |
| 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 |  | Pediatrics, Human Anatomy |  |
| FM2.29 | Demonstrate respect to the directions of courts, while appearing as witness for recording of evidence under oath or affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence | A and C | SH | Y | Lecture, Small group discussion, Moot Court, Court visits, Role Play | Role Play during internal assessment |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM2.30 | Have knowledge/awareness of latest decisions/notifications/ resolutions/circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc | A | K | Y | Lecture/Small group discussion | Written/ Viva voce |  |  |  |
| FM2.31 | Demonstrate ability to work in a team for conduction of medico-legal autopsies in cases of death following alleged negligence medical dowry death, death in custody or following violation of human rights as per National Human Rights Commission Guidelines on exhumation | A | KH | Y | Lecture, Small group discussion, Autopsy, DOAP session | Written/ Viva voce/ OSPE |  |  |  |
| FM2.32 | Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary | A and C | KH | Y | Lecture, Small group discussion, DOAP session | Written/ Viva voce |  | AETCOM |  |
| FM2.33 | Demonstrate ability to use local resources whenever required like in mass disaster situations | A and C | KH | Y | Lecture/Small group discussion | Written/ Viva voce |  | Community Medicine |  |
| FM2.34 | Demonstrate ability to use local resources whenever required like in mass disaster situations | A and C | KH | Y | Lecture/Small group discussion | Written/ Viva voce |  | General Medicine, AETCOM |  |
| FM2.35 | Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences | A and C | KH/SH |  | Lecture, small group discussions, DOAP session | Written/ Viva voce/ OSPE |  | AETCOM |  |
| **Topic: Clinical Forensic Medicine Number of competencies:(33) Number of procedures that require certification: (NIL)** | | | | | | | | | |
| 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, medico-legal aspects of age | K | KH | Y | Lecture, Small group discussion, Bedside clinic, DOAP session | Written/Viva voce/ skill assessment |  | Human Anatomy |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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 |  |  |  |
| 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 medico-legal aspects | K | KH | Y | Lecture, Small group discussion  Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | General Surgery |  |
| FM3.4 | Mechanical injuries and wounds:  Define injury, assault & hurt. Describe IPC pertaining to injuries | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | General Surgery |  |
| FM3.5 | Mechanical injuries and wounds:  Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries | K | K/KH | Y | Lecture/Small group discussion | Written/ Viva voce |  |  |  |
| FM3.6 | Mechanical injuries and wounds:  Describe healing of injury and fracture of bones with its medico-legal importance | K | K/KH | Y | Lecture/Small group discussion | Written/ Viva voce |  | General Surgery |  |
| 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 |  | General Surgery, Orthopaedics |  |
| 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 |  | General Surgery, Orthopaedics |  |
| FM3.9 | Firearm injuries:  Describe different types of firearms including structure and components. Along with description of ammunition propellant charge and mechanism of fire-arms, 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 |  | General Surgery, Orthopaedics |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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, Bed side clinic, DOAP session | Written/Viva voce/ OSCE |  | General Surgery, Orthopaedics |  |
| 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,  Bed side clinic or autopsy, DOAP session | Written/ Viva voce/ OSCE/OSPE |  | General Surgery, Orthopaedics |  |
| 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, Bed side clinic or autopsy, DOAP session | Written/ Viva voce/ OSCE/OSPE |  | General Surgery, Orthopaedics |  |
| 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 |  | Obstetrics & Gynaecology |  |
| 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, Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | Obstetrics & Gynaecology, Psychiatry |  |
| 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, Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | Obstetrics & Gynaecology, Psychiatry |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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 |  | Obstetrics & Gynaecology, Psychiatry |  |
| 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 |  | Obstetrics & Gynaecology, Psychiatry |  |
| FM3.18 | Describe anatomy of male and female genitalia, hymen and its types. Discuss the medico-legal importance of hymen. Define virginity, defloration, legitimacy and its medicolegal importance | K | K/KH | Y | Lecture/Small group discussion | Written/ Viva voce |  | Obstetrics & Gynaecology |  |
| 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 |  | Obstetrics & Gynaecology |  |
| FM3.20 | Discuss disputed paternity and maternity | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Obstetrics & Gynaecology |  |
| FM3.21 | Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) - Prohibition of Sex Selection Act 2003 and Domestic Violence Act 2005 | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Obstetrics & Gynaecology, AETCOM |  |
| 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 |  | Obstetrics & Gynaecology, General Medicine |  |
| 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 |  | Obstetrics & Gynaecology |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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 |  | Obstetrics & Gynaecology |  |
| FM3.25 | Discuss the major results of the National Family Health Survey | K | K/KH | N | Lecture | Written |  | Obstetrics & Gynaecology |  |
| FM3.26 | Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India | K | K/KH | Y | Lecture, Small group discussion | Written |  | Obstetrics & Gynaecology |  |
| 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 |  | Obstetrics & Gynaecology, AETCOM |  |
| 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 |  | Obstetrics & Gynaecology, Pathology |  |
| FM3.29 | Describe and discuss child abuse and battered baby syndrome | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pediatrics |  |
| FM3.30 | Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequalae, management of torture survivors | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  |  |  |
| 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 |  |  |  |
| FM3.32 | Demonstrate the professionalism while preparing reports in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences | A and C | SH | Y | Lecture, Small group discussion | OSPE/Viva voce |  | AETCOM |  |
| FM3.33 | Should be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults- psychological consultation, rehabilitation | A and C | K/KH/S H | Y | Lecture/Small group discussion | Written/ Viva voce |  | AETCOM |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| **Topic: Medical Jurisprudence (Medical Law and ethics) Number of competencies: (30) Number of procedures that require certification : (NIL)** | | | | | | | | | |
| FM4.1 | Describe Medical Ethics and explain its historical emergence | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.2 | Describe the Code of Medical Ethics 2002 conduct, Etiquette and Ethics in medical practice and unethical practices & the dichotomy | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| 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 |  | AETCOM |  |
| FM4.4 | Describe the Indian Medical Register | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| 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 |  | AETCOM |  |
| 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 |  | AETCOM |  |
| FM4.7 | Describe and discuss the ethics related to HIV patients | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.8 | Describe the Consumer Protection Act-1986 (Medical Indemnity Insurance, Civil Litigations and Compensations), Workman’s Compensation Act & ESI Act | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.9 | Describe the medico - legal issues in relation to family violence, violation of human rights, NHRC and doctors | K | KH | N | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.10 | Describe communication between doctors, public and media | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.11 | Describe and discuss euthanasia | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM4.12 | Discuss legal and ethical issues in relation to stem cell research | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.13 | Describe social aspects of Medico-legal cases with respect to victims of assault, rape, attempted suicide, homicide, domestic violence, dowry- related cases | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.14 | Describe & discuss the challenges in managing medico-legal 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 |  | AETCOM |  |
| FM4.15 | Describe the principles of handling pressure – definition, types, causes, sources and skills for managing the pressure while dealing with medico-legal cases by the doctor | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.16 | Describe and discuss Bioethics | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.17 | Describe and discuss ethical Principles: Respect for autonomy, non- malfeasance, beneficence & justice | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.18 | Describe and discuss medical negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability, Res Ipsa Loquitor, prevention of medical negligence and defenses in medical negligence litigations | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| 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 |  | AETCOM |  |
| FM4.20 | Describe therapeutic privilege, Malingering, Therapeutic Misadventure, Professional Secrecy, Human Experimentation | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM4.21 | Describe Products liability and Medical Indemnity Insurance | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.22 | Explain Oath – Hippocrates, Charaka and Sushruta and procedure for administration of Oath. | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.23 | Describe the modified Declaration of Geneva and its relevance | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| 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 |  | AETCOM |  |
| FM4.25 | Clinical research & Ethics  Discuss human experimentation including clinical trials | K | KH | N | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.26 | Discuss the constitution and functions of ethical committees | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.27 | Describe and discuss Ethical Guidelines for Biomedical Research on Human Subjects & Animals | K | KH | N | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM,  Pharmacology |  |
| FM4.28 | Demonstrate respect to laws relating to medical practice and Ethical code of conduct prescribed by Medical Council of India and rules and regulations prescribed by it from time to time | A and C | SH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.29 | Demonstrate ability to communicate appropriately with media, public and doctors | A and C | KH/SH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| FM4.30 | Demonstrate ability to conduct research in pursuance to guidelines or research ethics | A and C | KH/SH | Y | Lecture, Small group discussion | Written/ Viva voce |  | AETCOM |  |
| **Topic: Forensic Psychiatry Number of competencies: (06) Number of procedures that require certification: (NIL)** | | | | | | | | | |
| FM5.1 | Classify common mental illnesses including post-traumatic stress disorder (PTSD) | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Psychiatry |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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 |  | Psychiatry |  |
| FM5.3 | Describe Civil and criminal responsibilities of a mentally ill person | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Psychiatry |  |
| FM5.4 | Differentiate between true insanity from feigned insanity | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Psychiatry |  |
| FM5.5 | Describe & discuss Delirium tremens | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Psychiatry, General Medicine |  |
| 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 |  | Psychiatry |  |
| **Topic: Forensic Laboratory investigation in medical legal practice Number of competencies: (03) Number of procedures that require certification: (NIL)** | | | | | | | | | |
| 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 histo-pathological examination, blood grouping, HLA Typing and DNA Fingerprinting.  Describe Locard’s Exchange Principle | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pathology |  |
| 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 |  |  |  |
| FM6.3 | Demonstrate professionalism while sending the biological or trace evidences to Forensic Science laboratory, specifying the required tests to be carried out, objectives of preservation of evidences sent for examination, personal discussions on interpretation of findings | A and C | KH/SH | Y | Lecture, Small group discussions, DOAP sessions | Viva voce / OSPE |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| **Topic: Emerging technologies in Forensic Medicine Number of competencies: (01) Number of procedures that require certification:(NIL)** | | | | | | | | | |
| FM7.1 | Enumerate the indications and describe the principles and appropriate use for:   * 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 |  |  |  |
| **Topic: Toxicology: General Toxicology Number of competencies: (10) Number of procedures that require certification: (NIL)** | | | | | | | | | |
| FM8.1 | Describe the history of Toxicology | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pharmacology |  |
| FM8.2 | Define the terms Toxicology, Forensic Toxicology, Clinical Toxicology and poison | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pharmacology |  |
| 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 |  | Pharmacology |  |
| FM8.4 | Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | Pharmacology |  |
| FM8.5 | Describe Medico-legal 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 |  | Pharmacology |  |
| FM8.6 | Describe the general symptoms, principles of diagnosis and management of common poisons encountered in India | K | K/KH | Y | Lecture, Small group discussion, Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM8.7 | Describe simple Bedside clinic tests to detect poison/drug in a patient’s body fluids | K | K/KH | Y | Lecture, Small group discussion, Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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, Bed side clinic, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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 |  |  |  |
| FM8.10 | Describe the general principles of Analytical Toxicology and give a brief description of analytical methods available for toxicological analysis: Chromatography – Thin Layer Chromatography, Gas Chromatography, Liquid Chromatography and Atomic Absorption Spectroscopy | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  |  |  |
| **Topic: Toxicology : Chemical Toxicology Number of competencies: (06) Number of procedures that require certification : (NIL)** | | | | | | | | | |
| 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- Carboloic Acid (phenol), Oxalic and acetylsalicylic acids | K | K/KH | Y | Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| 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, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| 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 & derivatives, methyl isocyanate, tear (riot control) gases | K | K/KH | Y | Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| **Topic: Toxicology : Pharmaceutical Toxicology Number of competencies: (01) Number of procedures that require certification : (NIL)** | | | | | | | | | |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM10.1 | Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to:   1. Antipyretics – Paracetamol, Salicylates 2. A nti-Infectives (Common antibiotics – an overview) 3. N europsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics, tricyclics   iv .N arcotic Analgesics, Anaesthetics, and Muscle Relaxants  v. Cardiovascular Toxicology Cardiotoxic plants – oleander, odollam, aconite, digitalis vi. Gastro-  Intestinal and Endocrinal Drugs – Insulin | K | K/KH | Y | Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session | Written/ Viva voce/ OSCE |  | Pharmacology, General Medicine |  |
| **Topic: Toxicology : Biotoxicology Number of competencies: (01) Number of procedures that require certification : (NIL)** | | | | | | | | | |
| 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 |  | General Medicine |  |
| **Topic: Toxicology : Sociomedical Toxicology Number of competencies: (01) Number of procedures that require certification : (NIL)** | | | | | | | | | |
| FM12.1 | Describe features and management of abuse/poisoning with following camicals: Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs & solvent | K | K/KH | Y | Lecture, Small group discussion, Autopsy | Written/ Viva voce |  | General Medicine |  |
| **Topic: Toxicology : Environmental Toxicology Number of competencies: (02) Number of procedures that require certification : (NIL)** | | | | | | | | | |
| FM13.1 | Describe toxic pollution of environment, its medico-legal aspects & toxic hazards of occupation and industry | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  | General Medicine |  |
| FM13.2 | Describe medico-legal aspects of poisoning in Workman’s Compensation Act | K | K/KH | Y | Lecture, Small group discussion | Written/ Viva voce |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| **Topic: Skills in Forensic Medicine & Toxicology Number of competencies: (22) Number of procedures that require certification: (NIL)** | | | | | | | | | |
| FM14.1 | Examine and prepare Medico-legal report of an injured person with different etiologies in a simulated/ supervised environment | S | SH/P | Y | Bedside clinic (ward/ casualty), Small group discussion | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.2 | Demonstrate the correct technique of clinical examination in a suspected case of poisoning & prepare medico-legal report in a simulated/ supervised environment | S | SH | Y | Bedside clinic (ward/casualty), Small Group discussion | Log book/ Skill station/ Viva voce / OSCE |  | General Medicine |  |
| FM14.3 | Assist and demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination | S | SH | Y | Bedside clinic, Small Group discussion, DOAP session | Skill lab/ Viva voce |  | General Medicine |  |
| FM14.4 | Conduct and prepare report of estimation of age of a person for medico-legal and other purposes & prepare medico-legal report in a simulated/ supervised environment | S | KH | Y | Small group discussion, Demonstration | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.5 | Conduct & prepare post-mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment | S | KH | Y | Small group discussion, Autopsy, DOAP session | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.6 | Demonstrate and interpret medico-legal aspects from examination of hair (human & animal) fibre, semen & other biological fluids | S | KH | Y | Small group discussion, Lecture | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.7 | Demonstrate & identify that a particular stain is blood and identify the species of its origin | S | KH | Y | Small group discussion, Lecture | Log book/Skill station/Viva voce |  | Pathology, Physiology |  |
| FM14.8 | Demonstrate the correct technique to perform and identify ABO & RH blood group of a person | S | SH | Y | Small group discussion, DOAP session | Log book/Skill station/Viva voce |  | Pathology, Physiology |  |
| FM14.9 | Demonstrate examination of & present an opinion after examination of skeletal remains in a simulated/ supervised environment | S | SH | Y | Small group discussion, DOAP session | Log book/Skill station/Viva voce |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM14.10 | Demonstrate ability to identify & prepare medicolegal inference from specimens obtained from various types of injuries e.g. contusion, abrasion, laceration, firearm wounds, burns, head injury and fracture of bone | S | KH | Y | Small group discussion, DOAP session | Log book/Skill station/ Viva voce/ OSPE |  |  |  |
| FM14.11 | To identify & describe weapons of medicolegal importance which are commonly used e.g. lathi, knife, kripan, axe, gandasa, gupti, farsha, dagger, bhalla, razor & stick.  Able to prepare report of the weapons brought by police and to give opinion regarding injuries present on the person as described in injury report/ PM report so as to connect weapon with the injuries. (Prepare injury report/ PM report must be provided to connect the weapon with the injuries) | S | KH | Y | Small group discussion, DOAP session | Log book/Skill station/ Viva voce/ OSPE |  |  |  |
| FM14.12 | Describe the contents and structure of bullet and cartridges used & to provide medico-legal interpretation from these | S | KH | Y | Small group discussion, DOAP session | Log book/ Skill station/Viva voce |  |  |  |
| FM14.13 | To estimate the age of foetus by post-mortem examination | S | KH | Y | Small group discussion, DOAP session | Theory/ Clinical assessment/ Viva voce |  |  |  |
| FM14.14 | To examine & prepare report of an alleged accused in rape/unnatural sexual offence in a simulated/ supervised environment | S | KH | Y | Small group discussion, DOAP session | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.15 | To examine & prepare medico-legal report of a victim of sexual offence/unnatural sexual offence in a simulated/ supervised environment | S | KH | Y | Small group discussion, DOAP session | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.16 | To examine & prepare medico-legal report of drunk person in a simulated/ supervised environment | S | KH | Y | Small group discussion, Bed side clinic, DOAP session | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.17 | To identify & draw medico-legal inference from common poisons  e.g. dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, marking nut, oleander, Nux vomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds & tobacco. | S | KH | Y | Small group discussion, DOAP session | Log book/ Viva voce |  |  |  |

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| **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** | **Number required to certify P** | **Vertical Integration** | **Horizontal Integration** |
| FM14.18 | To examine & prepare medico-legal report of a person in police, judicial custody or referred by Court of Law and violation of human rights as requirement of NHRC, who has been brought for medical examination | S | KH | Y | Small group discussion, DOAP session | Log book/ Skill station/ Viva voce / OSCE |  |  |  |
| FM14.19 | To identify & prepare medico-legal inference from histo-pathological slides of Myocardial Infarction, pneumonitis, tuberculosis, brain infarct, liver cirrhosis, brain haemorrhage, bone fracture, Pulmonary oedema, brain oedema, soot particles, diatoms & wound healing | S | KH | Y | Small group discussion, DOAP session | Log book/ Skill station/ Viva voce |  |  |  |
| FM14.20 | To record and certify dying declaration in a simulated/ supervised environment | S | KH | Y | Small group discussion, Role Play, Bed side clinic DOAP session | Log book/ Skill station/ Viva voce /OSCE |  |  |  |
| FM14.21 | To collect, preserve, seal and dispatch exhibits for DNA-Finger printing using various formats of different laboratories. | S | KH | Y | Small group discussion, Lecture | Log book/ Skill station/Viva voce |  |  |  |
| FM14.22 | To give expert medical/ medico-legal evidence in Court of law | S | KH | Y | Small group discussion, Lecture, DOAP session, role play, Court Visits | Log book/  Viva voce/OSCE |  |  |  |
|  | **Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication. Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently, Column F: DOAP session – Demonstrate, Observe, Assess, Perform.**  **Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation** | | | | | | | | |