

FORENSIC MEDICINE INCLUDING TOXICOLOGY (CODE: FM)

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
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FORENSIC MEDICINE & TOXICOLOGY

Topic: General Information

Number of competencies: (11)

Number of procedures that require certification: (NIL)

FM1.1	<p>Demonstrate knowledge of basics of Forensic Medicine like definitions of Forensic medicine, Clinical Forensic Medicine, Forensic Pathology, State Medicine, Legal Medicine and Medical Jurisprudence</p> <p>Objective 1. At the end of the session the phase III student must be able to define all the above terms. 2. At the end of the session the phase III student must be able to List names and achievement of some</p>	K	KH	N	Lecture, Small Group Discussion	Written/ Viva voce			
FM1.2	<p>Describe history of Forensic Medicine.</p> <p>Objective 1. At the end of the session the phase III student must be able to define Origin of Forensic Medicine. 2. At the end of the session the phase III student must be able to List names and achievement of some. Prominent scientists and doctors in India and abroad who contributed to the subject till now</p>	K	KH	N	Lecture, Small Group Discussion	Written/ Viva voce			
FM1.3	<p>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.</p> <p>Objective 1. At the end of the session the Phase III student must know relevant sections of IPC, Cr PC, IEA, and describe types of Inquest and differentiate Cognizable and Non Cognizable Offences.</p>	K	KH	N	Lecture, Small Group Discussion	Written/ Viva voce			

	2. At the end of the session the Phase III student must be able to explain in detail all the above.								
FM1.4	<p>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.</p> <p>Objective</p> <p>1. At the end of the session the phase III student must know the different types.</p> <p>2. At the end of the session the Phase III student must know what type of cases are tried by different courts in India and what types of Punishment are given for various Criminal Offences.</p>	K	KH	N	Lecture, Small Group Discussion	Written/ Viva voce			
FM1.5	<p>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.</p> <p>Objective</p> <p>1. At the end of the Session the Phase III student must know the Tria Procedure in.</p> <p>2. At the end of the Session the Phase III student must describe and discuss the different aspects of court procedures mentioned above.</p>	K	KH	N	Lecture, Small Group Discussion, Moot Court	Written/ Viva voce			
FM1.6	<p>Describe Offenses in Court including Perjury; Court strictures vis-a- vis Medical Officer.</p> <p>Objective</p> <p>1. At the end of the Session the Phase III student must be able to list the offences that can be committed by a Medical Officer in a court.</p> <p>2. At the end of the Session the Phase III student must be able to describe Perjury and other types of Offences ,strictures, and other</p>	K	KH	N	Lecture, Small Group Discussion	Written/ Viva voce			

	offences relating to trial in court vis-à-vis medical officer.								
FM1.7	<p>Describe Dying Declaration & Dying Deposition. Objective</p> <p>1. At the end of the Session the Phase III student must be able to define and differentiate between Dying Declaration and Dying Deposition.</p> <p>2. At the end of the Session the Phase III student must be able to describe in detail the steps to record Dying Declaration and Deposition accurately</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce			
FM1.8	<p>Describe the latest decisions/notifications/resolutions/circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc. Objective</p> <p>1. At the end of the Session the Phase III student must be able to enumerate decisions/notifications/resolutions/circulars/standing orders related to medico-legal practice issued by Courts/ Government authorities etc.</p> <p>2. At the end of the Session the Phase III student must be able to describe changes related to medico-legal practice due to decisions/notifications/resolutions/circulars/standing orders issued by Courts/Government authorities etc.</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce			
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	<p>Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports especially</p> <ul style="list-style-type: none"> - 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 Number 4 and 4A - documents for estimation of age by physical, dental and radiological examination and issuance of certificate. <p>Objective</p> <ol style="list-style-type: none"> 1. At the end of the session the Phase III student must know about all types of Medicolegal, Certificates, Reports, and Documents and their Importance. 2. At the end of the session the Phase III student must know how to issue and maintain Medicolegal Records. 	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce		Radiodiagnosis, General Surgery, General Medicine, Pediatrics	
FM1.10	<p>Select appropriate cause of death in a particular scenario by referring ICD 10 code.</p> <p>Objective</p> <ol style="list-style-type: none"> 1. At the end of the session the Phase III student must choose cause of death correctly in a particular case. 2. At the end of the session the Phase III student must be able to use ICD 10 Code when giving cause of death in a particular scenario. 	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce			
FM1.11	<p>Write a correct cause of death certificate as per ICD 10 document.</p> <p>Objective</p> <ol style="list-style-type: none"> 1. At the end of the session the Phase III student must define ICD 10 based certification of cause of death. 2. At the end of the session the Phase III student must be able to write ICD 10 based certificate of cause of death 	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	<p>Define, describe and discuss death and its types including somatic/clinical/cellular, molecular and brain-death, Cortical Death and Brainstem Death.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must define death and all types of death as above</p> <p>2. At the end of the session the Phase III student must explain the different types of Death as mentioned above.</p>	K	KH	Y	Lecture/Small group discussion	Written/ Viva voce		Pathology	
FM2.2	<p>Describe and discuss natural and unnatural deaths.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know the difference between Natural and Unnatural Death.</p> <p>2. At the end of the session the Phase III student must be able to classify unnatural and Natural Death.</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce		Pathology	
FM2.3	<p>Describe and discuss issues related to sudden natural deaths.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to define sudden natural death.</p> <p>2. At the end of the session the Phase III student must be able to classify sudden natural death.</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce		Pathology	
FM2.4	<p>Describe salient features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know the Rules and Regulations for Organ Transplantation.</p> <p>2. At the end of the session the Phase III student must be able to select donor and recipient of for organ transplantation following the criteria in Human Organ Transplant Act (Amendment 2011) and describe the ethical issues involved in such cases.</p>	K	KH	Y	Lecture/Small group discussion	Written/ Viva voce		AETCOM	

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FM2.5	<p>Discuss moment of death, modes of death - coma, asphyxia and syncope.</p> <p>Objective 1. At the end of the session the Phase III student must know how to define moment of death. and modes of death. 2. At the end of the session the Phase III student must know how to describe moment of death. And classify and differentiate the modes of death.</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce		Psychiatry, Pathology	
FM2.6	<p>Discuss presumption of death and survivorship.</p> <p>Objective 1. At the end of the session the Phase III student must know how to define Presumption of death and Survivorship. 2. At the end of the session the Phase III student must Describe and Discuss the meaning of these two terms.</p>	K	KH	Y	Lecture, Small Group Discussion	Written/ Viva voce			
FM2.7	<p>Describe and discuss suspended animation.</p> <p>Objective 1. At the end of the session the Phase III student must know how to define Suspended animation. 2. At the end of the session the Phase III student must know meaning of suspended animation and give some examples to explain it.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM2.8	<p>Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening.</p> <p>Objective</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			

	<p>1. At the end of the session the Phase III student must know correctly the changes after death with passage of time.</p> <p>2. At the end of the session the Phase III student must know how to classify the changes after death and describe their medicolegal importance.</p>								
FM2.9	<p>Describe putrefaction, mummification, Adipocere and maceration.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to define Putrefaction, adipocere, and mummification. and maceration.</p> <p>2. At the end of the session the Phase III student must know how to describe the and differentiate the changes seen in Putrefaction, Adipocere, Mummification, & Maceration and Medicolegal significance of each.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			
FM2.10	<p>Discuss estimation of time since death.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know the Definition of Time Since Death.</p> <p>2. At the end of the session the Phase III student must know the factors affecting Time Since Death & assess the Time Since Death from changes observed on body after death.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			
FM2.11	<p>Describe and discuss autopsy procedures including post-mortem examination, different types of autopsies, aims and objectives of post-mortem examination.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must list the Aims and Objectives of post-mortem examination, different types of Autopsies, and describe the procedure of doing Autopsy including post-mortem examination.</p> <p>2. At the end of the session the Phase III student must know how to Classify the Autopsy, choose the correct</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE		Pathology	

	procedure and conduct autopsy and postmortem examination fulfilling all aims and objectives of post-mortem examination.								
FM2.12	<p>Describe the legal requirements to conduct post-mortem examination and procedures to conduct medico-legal post-mortem examination.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must list the legal requirements and procedure of doing post-mortem examination.</p> <p>2. At the end of the session the Phase III student must know how to, choose the correct procedure and conduct postmortem examination fulfilling all medicolegal aspects.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE		Pathology	
FM2.13	<p>Describe and discuss obscure autopsy.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know definition of Obscure Autopsy.</p> <p>2. At the end of the session the Phase III student must know how to classify obscure Autopsy.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology	
FM2.14	<p>Describe and discuss examination of clothing, preservation of viscera on post-mortem examination for chemical analysis and other medico-legal purposes, post-mortem artifacts.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know in detail examination of clothing's during post-mortem examination and how to preserve Viscera for chemical analysis and other investigations.</p> <p>2. At the end of the session the Phase III student must know how to write report correctly after examination of clothing's during post-mortem and properly preserve the viscera required for chemical analysis and other investigations.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			

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FM 2.15	<p>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.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must list the protocols to be followed for conduction Autopsy in Custody Deaths and following Human Rights Violation.</p> <p>2. At the end of the session the Phase III student must know how to conduct post-mortem examination in custody deaths and following human rights violations as per NHRC guidelines.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			
FM2.16	<p>Describe and discuss examination of mutilated bodies or fragments, charred bones and bundle of bones.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must Enumerate the steps correctly for examining a case of Mutilated Body, Body Fragments, Charred Bones, Bundle of Bones.</p> <p>2. At the end of the session the Phase III student must be able to write Report correctly after examining a case of Mutilated Body, Body Fragments, Charred Bones ,Bundle of Bones.</p>	K	KH	Y	Lecture, Small group discussion, DOAP session	Written/ Viva voce/ OSPE			

FM2.17	<p>Describe and discuss exhumation.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must define Exhumation.</p> <p>2. At the end of the session the Phase III student must List the steps required to perform Exhumation. and prepare a report of such cases.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM2.18	<p>Crime Scene Investigation:-</p> <p>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.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know about Crime Scene Investigation, its purpose and duty of doctor and protocols to be followed.</p> <p>2. At the end of the session the Phase III student must List the steps to be followed during Crime Scene Investigation</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM2.19	<p>Investigation of anesthetic, operative deaths:</p> <p>Describe and discuss special protocols for conduction of autopsy and for collection, preservation and dispatch of related material evidences.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must define Anaesthetic and operative deaths and guidelines for conducting Autopsy and investigations in such cases.</p> <p>2. At the end of the session the Phase III student must differentiate between Anesthetic and operative deaths and choose correct procedure for conducting Autopsy and relevant investigations in such cases.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Anesthesiology, General Surgery	
FM2.20	<p>Mechanical asphyxia:</p> <p>Define, classify and describe asphyxia and medico-legal interpretation of post-mortem findings in</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			

	<p>asphyxialdeaths.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must know what is Mechanical Asphyxia, its types, and post-mortem signs of different types of asphyxial deaths.</p> <p>2. At the end of the session the Phase III student must know the meaning of Mechanical Asphyxia, classify and describe types of asphyxial deaths and explain the postmortem findings found in different types of asphyxial deaths.</p>								
FM2.21	<p>Mechanical asphyxia:</p> <p>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 ligaturematerial.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must differentiate between Hanging and Strangulation .</p> <p>2. At the end of the session the Phase III student must describe in detail and explain the difference between Hanging and Strangulationincluding 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 ligaturematerial</p>	K	KH	Y	Lecture/Small group discussion, Autopsy DOAP session	Written/ Viva voce/ OSPE			
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	<p>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.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must define traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia.</p> <p>2. At the end of the session the Phase III student must differentiate and describe and explain the Patho-physiology, clinical features, post- mortem findings and medico-legal aspects traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			
FM2.23	<p>Describe and discuss types, Patho-physiology, clinical features, post mortem findings and medico-legal aspects of drowning, diatom test and, gettler test.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must define drowning, diatom test, and gettler Test.</p> <p>2. At the end of the session the Phase III student must explain Patho-physiology, clinical features, post mortem findings and medico-legal aspects of drowning, diatom test and, gettler test</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			
FM2.24	<p>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).</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must enumerate Thermal injuries due to heat and define heat-</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce			

	<p>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).</p> <p>2. At the end of the session the Phase III student must describe and discuss in detail Thermal injuries due to heat and define 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).</p>								
FM2.25	<p>Describe types of injuries, clinical features, Patho-physiology, post- mortem findings and medico-legal aspects in cases of burns,scalds, lightning, electrocution andradiations.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must classify types of injuries and enumerate clinical features, Patho-physiology, post- mortem findings and medico-legal aspects in cases of burns, scalds, lightning, electrocution andradiations.</p> <p>2. At the end of the session the Phase III student must classify types of injuries and discuss clinical features, Patho-physiology, post- mortem findings and medico-legal aspects in cases of burns, scalds, lightning, electrocution andradiations.</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE		General Surgery	
FM2.26	<p>Describe and discuss clinical features, post-mortem findings and medico-legal aspects of death due to starvation and neglect.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must enumerate clinical features, post-mortem findings and medico-legal aspects of death due to starvation and neglect.</p> <p>2. At the end of the session the Phase III student must</p>	K	KH	Y	Lecture/Small group discussion	Written/ Viva voce			

	describe and explain clinical features, post-mortem findings and medico-legal aspects of death due to starvation and neglect.								
FM2.27	<p>Define and discuss infanticide, feticide and stillbirth. Objective</p> <p>1. At the end of the session the Phase III student must define infanticide, feticide and stillbirth.</p> <p>2. At the end of the session the Phase III student must differentiate infanticide, feticide and stillbirth.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pediatrics	
FM2.28	<p>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. Objective</p> <p>1. At the end of the session the Phase III student must know 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.</p> <p>2. At the end of the session the Phase III student must List signs of intrauterine death, signs of live birth, viability of foetus, age determination of foetus, Sudden Infants Death syndrome and Munchausen's syndrome by proxy and perform DOAP session of ossification centres,& Hydrostatic test,</p>	K	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/Viva voce / OSCE		Pediatrics, Human Anatomy	
FM2.29	<p>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. Objective</p> <p>1. At the end of the session the Phase III student must enumerate and define the various steps during trial in</p>	A and C	SH	Y	Lecture, Small group discussion, Moot Court, Court visits, Role Play	Role Play during internal assessment			

	court for examining witness and recording evidence. 2. At the end of the session the Phase III student must explain the various steps during trial in court for examining witness and recording evidence.								
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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	<p>Have knowledge/awareness of latest decisions/notifications/ resolutions/circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc</p> <p>OBJECTIVE</p> <p>1. 1 At the end of the session the Phase III A student must be able to demonstrate understanding of awareness of latest decisions/ notifications/ resolutions/circulars/standing orders related to medico-legal practice issued by Courts/ Government authorities etc</p> <p>2. At the end of the session the Phase III A student must have knowledge of latest decisions/ notifications/ resolutions/circulars/standing orders related to medico-legal practice issued by Courts/ Government authorities etc</p>	A	K	Y	Lecture/Small group discussion	Written/ Viva voce			
FM2.31	<p>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</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must know how to conduct autopsies in cases of death following alleged medical negligence, dowry death, death in custody or following violation of human rightsas per National Human Rights Commission Guidelines and onexhumation</p>	A	KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE			

	2. At the end of the session the Phase IIIA student must demonstrate understanding of team work and his own ability to work in such cases with others								
FM2.32	<p>Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have proper approach and quite able to exchange and communicate information to the peers, family members, law enforcing agency and the judiciary.</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss and communicate to the peers, family members, law enforcing agency and judiciary</p>	A and C	KH	Y	Lecture, Small group discussion, DOAP session	Written/ Viva voce		AETCOM	
FM2.33	<p>Demonstrate ability to use local resources whenever required like in mass disaster situations</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of local resources which can be used in mass disaster and like situations.</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the uses of local resources whenever required like in mass disaster situations</p>	A and C	KH	Y	Lecture/Small group discussion	Written/ Viva voce		Community Medicine	
FM2.34	<p>Demonstrate ability to use local resources whenever required like in mass disaster situations</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of local resources which can be used in mass disaster and like situations.</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the uses of local resources whenever required like in mass disaster situations</p>	A and C	KH	Y	Lecture/Small group discussion	Written/ Viva voce		General Medicine, AETCOM	

FM2.35	<p>Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge so that behaves like professional while conducting autopsy in medico-legal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss and interpret/demonstrate while conducting autopsy in medico-legal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences</p>	A and C	KH/SH		Lecture, small group discussions, DOAP session	Written/ Viva voce/ OSPE		AETCOM	
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Topic: Clinical Forensic Medicine

Number of competencies:(33)

Number of procedures that require certification:(NIL)

FM3.1	<p>IDENTIFICATION</p> <p>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</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge to define and describe Corpus Delicti</p> <p>2. Must have knowledge of the establishment of identity of person, different data of identification like race, Sex, religion, complexion, stature, age determination using morphology, teeth-eruption, decay, bite marks, bones-ossification centers.</p> <p>3. Must have knowledge to describe the medico-legal aspects of age (extra uterine and extra uterine)</p> <p>4. At the end of the session the Phase IIIA student must be able to discuss Corpus Delicti, establishment of identity of</p>	K	KH	Y	Lecture, Small group discussion, Bedside clinic, DOAP session	Written/Viva voce/ skill assessment		Human Anatomy	
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	living persons including race, Sex, religion, complexion, stature, age determination using morphology, teeth-eruption, decay, bite marks, bones-ossification centers, medico-legal aspects of age								
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, horoscopy and superimposition OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of identification of criminals, unknown persons, dead bodies from the remains-hairs, fibers, teeth, anthropometry, Dactylography, foot prints, scars, tattoos, horoscopy and superimposition 2. At the end of the session the Phase IIIA student must be able to discuss identification of criminals, unknown persons, dead bodies from the remains-hairs, fibers, teeth, anthropometry, Dactylography, foot prints, scars, tattoos, horoscopy 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 OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge as to define, describe and classify different types of mechanical injuries, abrasion, bruise, laceration, stab wound, incised wound, chop wound, defense wound,	K	KH	Y	Lecture, Small group discussion Bed side clinic, DOAP session	Written/ Viva voce/ OSCE		General Surgery	

	<p>self-inflicted/fabricated wounds and their medico-legal aspects.</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss classification of 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.</p>								
FM3.4	<p>Mechanical injuries and wounds: Define injury, assault & hurt. Describe IPC pertaining to injuries OBJECTIVE 1. At the end of the session the Phase IIIA student must know the legal and medical definitions of injury, assault and hurt and must know different IPC pertaining to injury 2. At the end of the session the Phase IIIA student must be able to discuss injury, assault & hurt and IPC pertaining to injuries.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Surgery	
FM3.5	<p>Mechanical injuries and wounds: Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of accidental, suicidal and homicidal injuries, simple, grievous and dangerous injuries, ante-mortem and post-mortem injuries 2. At the end of the session the Phase IIIA student must be able to discuss accidental, suicidal and homicidal injuries, simple, grievous and dangerous injuries, ante-mortem and post-mortem injuries</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce			
FM3.6	<p>Mechanical injuries and wounds: Describe healing of injury and fracture of bones with its medico-legal importance OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of the process of healing of injury and fracture of bones and their medico- legal importance 2. At the end of the session the Phase IIIA student must be able to discuss healing of injury and fracture of bones with</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		General Surgery	

	its medico-legal importance								
FM3.7	<p>Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and Secondary</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge about the factors which influence in infliction of injuries as well as in healing of wounds.</p> <p>-Knows the legal steps of examination and preparation of injury certificate</p> <p>-knowledge of the causes of death due injury inflicted over the different parts of the body involving different vital organs.</p> <p>-Difference between primary and secondary injuries</p> <p>2. At the end of the session the Phase IIIA student must be able to analyze various factors influencing in the infliction and healing of injury</p> <p>-Able to discuss examination and certification of wounds as a cause of death</p> <p>-Primary and secondary injury</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		General Surgery, Orthopaedics	
FM3.8	<p>Mechanical injuries and wounds:</p> <p>Describe and discuss different types of weapons including dangerous weapons and their examination</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge about different types of weapons including dangerous weapons and their examination.</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss different types of weapons including dangerous weapons and their examination</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		General Surgery, Orthopaedics	

FM3.9	<p>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</p> <p>OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge about different types of fire arms their structure and components knowledge of mechanism of firearms, ammunition and propellant charges, different types of cartridge, bullets and various terminology in relation of firearm such as caliber, ranges, rifled/ smooth bore guns, choking. 2. At the end of the session the Phase IIIA student must be able to discuss about different types of fire arms their structure and components, mechanism of firearms, ammunition and propellant charges, different types of cartridge, bullets and various terminology in relation of firearm such as caliber, ranges, rifled/ smooth bore guns, choking.</p>	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	<p>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</p> <p>OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of wound ballistics ie. different types of firearm injuries, bomb blast injuries over the body, their</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, DOAP session	Written/Viva voce/ OSCE		General Surgery, Orthopaedics	

	<p>interpretations. Knowledge of preservation and dispatch of trace evidences in cases of firearms and blast injures. Knowledge of various tests related to confirmation of use of firearms</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss different types of firearm injuries, bomb blast injuries over the body, their interpretations.</p> <p>Able to discuss preservation and dispatch of trace evidences in cases of firearms and blast injures and various tests related to confirmation of use of firearms</p>								
FM3.11	<p>Regional Injuries: Describe and discuss regional injuries to head (Scalp wounds, fracture skull, intracranial hemorrhages, coup and contrecoup injuries), neck, chest, abdomen, limbs, genital organs, spinal cord and skeleton OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of regional injuries to head (Scalp wounds, fracture skull, intracranial hemorrhages, coup and contrecoup injuries), neck, chest, abdomen, limbs, genital organs, spinal cord and skeleton 2. At the end of the session the Phase IIIA student must be able to discuss regional injuries to head (Scalp wounds, fracture skull, intracranial hemorrhages, coup and contrecoup injuries), neck, chest, abdomen, limbs, genital organs, spinal cord and skeleton</p>	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	<p>Regional Injuries Describe and discuss injuries related to fall from height and vehicular injuries – Primary and Secondary impact, Secondary injuries, crush syndrome, railwayspine OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of injuries related to fall from height and vehicular injuries – Primary and Secondary impact, Secondary injuries, crush syndrome, railwayspine 2. At the end of the session the Phase IIIA student must be able to discuss various injuries related to fall from height and vehicular injuries – Primary and Secondary impact, Secondary injuries, crush syndrome, railwayspine</p>	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	<p>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</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of different types of sexual offences, various sections of IPC regarding rape including recent definition of rape (Section 375 IPC), THE CRIMINAL LAW (AMMENDMENT) ACT2013, Punishment for Rape (Section 376 IPC) and recent amendments notified till date</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss different types of sexual offences, various sections of IPC regarding rape including recent definition of rape (Section 375 IPC), THE CRIMINAL LAW (AMMENDMENT) ACT2013, Punishment for Rape (Section 376 IPC) and recent amendments notified till date</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce/ OSCE/OSPE		Obstetrics &Gynaecology	
FM3.14	<p>SEXUAL OFFENCES</p> <p>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 dispatch of trace evidences in such cases</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of examination of the victim of an alleged case of rape, and the preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the examination of the victim of an alleged case of rape, and the preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases</p>	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 dispatch of trace evidences in such cases OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of examination of accused and victim of sodomy, preparation of report, framing of opinion, preservation and dispatch of trace evidences in such cases 2. At the end of the session the Phase IIIA student must be able to discuss examination of accused and victim of sodomy, preparation of report, framing of opinion, preservation and dispatch 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 dispatch of trace evidences in such cases OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of adultery and unnatural sexual offences- sodomy, incest, lesbianism, buccal coitus, bestiality, indecent assault and preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases 2. At the end of the session the Phase IIIA student must be able to discuss adultery and unnatural sexual offences- sodomy, incest, lesbianism, buccal coitus, bestiality, indecent assault and preparation of report, framing the opinion and preservation and dispatch of trace evidences in such cases	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology, Psychiatry	

FM3.17	<p>Describe and discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology, Psychiatry	
FM3.18	<p>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</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of anatomy of male and female genitalia, hymen and its types. Must know the medico-legal importance of hymen. Define virginity, defloration, legitimacy and its medicolegal importance</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss anatomy of male and female genitalia, hymen and its types. Discuss the medico-legal importance of hymen. Discuss virginity, defloration, legitimacy and its medicolegal importance</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology	
FM3.19	<p>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</p> <p>OBJECTIVE</p> <p>.1 At the end of the session the Phase IIIA student must have knowledge of the medicolegal aspects of pregnancy</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology	

	and delivery, signs of pregnancy, precipitate laboursuperfoetation, super fecundation and signs of recent and remote delivery in living and dead 2. At the end of the session the Phase IIIA student must be able to discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy, precipitate laboursuperfoetation, super fecundation and signs of recent and remote delivery in living and dead								
FM3.20	Discuss disputed paternity and maternity OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of disputed paternity and maternity 2. At the end of the session the Phase IIIA student must be able to discuss disputed paternity and maternity and their medico-legal aspects	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 OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge PC & PNDT Act 1994(amended in 2003) and Protection of Women from Domestic Violence Act 2005 2. At the end of the session the Phase IIIA student must be able to discussPC & PNDT Act 1994and Protection of Women from 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 OBJECTIVE 1. At the end of the session the Phase IIIA student must have knowledge of impotence, sterility, frigidity, sexual dysfunction, premature ejaculation 2. At the end of the session the Phase IIIA student must be able to discussimpotence, sterility in male and female, frigidity, sexual dysfunction, premature ejaculation	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics & Gynaecology, General Medicine	

FM3.23	<p>Discuss Sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy with respect to appropriate national and state laws</p>	K	K/KH	Y	Lecture/Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology	
Number	<p>COMPETENCY</p> <p>The student should be able to</p>	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	<p>Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of</p>	K	K/KH	N	Lecture, Small group discussion	Written		Obstetrics &Gynaecology	

	contraception in the National Family Planning Programme								
FM3.25	<p>Discuss the major results of the National Family Health Survey</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of the major results of the National Family Health Survey</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the major results of the National Family Health Survey</p>	K	K/KH	N	Lecture	Written		Obstetrics &Gynaecology	
FM3.26	<p>Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of the national Guidelines for accreditation, supervision & regulation of ART Clinics in India</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss the National Guidelines for accreditation, supervision & regulation of ART Clinics in India</p>	K	K/KH	Y	Lecture, Small group discussion	Written		Obstetrics &Gynaecology	
FM3.27	<p>Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act1971</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of MTP Act 1971, classify abortion, methods of procuring MTP and criminal abortion and complication of abortion</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss classification of abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act1971</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology, AETCOM	

FM3.28	<p>Describe evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Obstetrics &Gynaecology, Pathology	
FM3.29	<p>Describe and discuss child abuse and battered baby syndrome</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of child abuse and battered baby syndrome</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss child abuse and battered baby syndrome</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pediatrics	
FM3.30	<p>Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM3.31	<p>Torture and Human rights</p> <p>Describe and discuss guidelines and Protocols of National Human Rights Commission regarding torture</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of guidelines and Protocols of National</p>	K	K/KH	N	Lecture/Small group discussion	Written/ Viva voce			

	Human Rights Commission regarding torture 2. At the end of the session the Phase IIIA student must be able to discuss guidelines and Protocols of National Human Rights Commission regarding torture								
FM3.32	<p>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</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge so that behaves like professional while preparing reports in medico-legal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss and interpret/demonstrate while conducting autopsy in medico-legal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences</p>	A and C	SH	Y	Lecture, Small group discussion	OSPE/Viva voce		AETCOM	
FM3.33	<p>Should be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults- psychological consultation, rehabilitation</p> <p>OBJECTIVE</p> <p>1. At the end of the session the Phase IIIA student must have knowledge of victims of torture and human right violations, sexual assaults- psychological consultation, rehabilitation</p> <p>2. At the end of the session the Phase IIIA student must be able to discuss in a professional manner the victims of torture and human right violations, sexual assaults- psychological consultation, rehabilitation</p>	A and C	K/KH/SH	Y	Lecture/Small group discussion	Written/ Viva voce		AETCOM	

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 OBJECTIVE 1 At the end of the session the Phase IIIA student must have knowledge of Medical Ethics as well as its historical emergence 2 At the end of the session the Phase IIIA student must be able to discuss 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 Objective 1. At the end of the session, the phase III A student must know Codes and conducts of Medical Etiquette and Ethics correctly. 2. At the end of the session the phase III A student must be able to describe Etiquette and Ethics in medical practice, unethical practices & the dichotomy correctly	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 Objective 1. At the end of the session the phase III A the student must know role of Medical Council of India and State Medical Councils correctly 2. At the end of the session the phase III A student must know how of Medical Council of India and State Medical Councils function accurately	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

FM4.4	Describe the Indian Medical Register Objective 1. At the end of the session the phase III A the student must know about Indian Medical Register correctly. 2. At the end of the session the phase III A student must know importance and role of Indian Medical Register correctly	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 1. At the end of the session the phase III A the student must know At the end of the session the phase III A the student correctly. 2. At the end of the session the phase III A student must know how to practice Rights/privileges and beware of infamous conduct, disciplinary Committee, disciplinary procedures, warning notice accurately	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 Objective 1. At the end of the session the phase III A student must know Laws related to medical practice correctly 2. At the end of the session the phase III A student must know how a medical practitioner should perform duties towards patients and society correctly	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.7	Describe and discuss the ethics related to HIV patients Objective 1. At the end of the session the phase III A the student must know the ethics related to dealing of HIV patients correctly 2. At the end of the session the phase III A the student must be able to enumerate the ethics related to dealing of HIV patients correctly	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	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

	Act Objective 1. At the end of the session phase IIIA the student must know Consumer Protection Act-1986 (Medical Indemnity Insurance, Civil Litigations and Compensations) correctly 2. At the end of the session the phase III A student must know to brief about Workman’s Compensation Act & ESI Act correctly								
FM4.9	Describe the medico - legal issues in relation to family violence, violation of human rights, NHRC and doctors Objective 1. At the end of the session phase III A the student should know medico - legal issues in relation to family violence 2. At the end of the session the phase III A student should know acts related to violation of human rights, NHRC and doctors correctly	K	KH	N	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.10	Describe communication between doctors, public and media Objective 1. At the end of the session phase III A the student must communication between doctors, public and media correctly 2. At the end of the session phase III A the student must know how a doctor should communicate with other doctors, public and media correctly	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.11	Describe and discuss euthanasia Objective 1. At the end of the session phase III A the student must know about euthanasia correctly 2. At the end of the session phase III A the student must be able to elicit euthanasia correctly	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
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	<p>Discuss legal and ethical issues in relation to stem cell research</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know legal issues in relation to stem cell research correctly</p> <p>2. At the end of the session phase IIIA the student must know how to implement ethical issues in relation to stem cell research correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.13	<p>Describe social aspects of Medico-legal cases with respect to victims of assault, rape, attempted suicide, homicide, domestic violence, dowry- related cases</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know medico-legal aspects for sexual assault, rape, attempted suicide, homicide, domestic violence, dowry-related cases correctly</p> <p>2. At the end of the session phase III A the student must know social aspects about medico-legal reporting of victims of assault, rape, attempted suicide, homicide, domestic violence, dowry- related cases correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.14	<p>Describe & discuss the challenges in managing medico-legal cases including development of skills in relationship management – Human behaviour, communication skills, conflict resolution techniques</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know challenges in managing medico-legal cases correctly</p> <p>2. student must be able elicit challenges in development of skills in relationship management - Human behavior, communicating, conflict resolution techniques correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.15	<p>Describe the principles of handling pressure – definition, types, causes, sources and skills for managing the pressure while dealing with medico-legal</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

	<p>cases by the doctor</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know about principles of handling pressure - definition, types, causes, sources of pressure while dealing with medico-legal cases correctly</p> <p>2. At the end of the session phase III A the student must identify pressure and must know skills for managing the pressure while dealing with medico-legal cases correctly</p>								
FM4.16	<p>Describe and discuss Bioethics</p> <p>Objective</p> <p>1. At the end of the session the phase III A the student must know Bioethics correctly</p> <p>2. At the end of the session the phase III A student must be able to describe how to practice Bioethics correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.17	<p>Describe and discuss ethical Principles: Respect for autonomy, non- malfesance, beneficence & justice</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know ethical Principles for autonomy, nonmalfesance, beneficence correctly</p> <p>2. At the end of the session phase III A the student must know how to practice ethical principles for autonomy, nonmalfesance, justice correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.18	<p>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</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know about medical negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability correctly</p> <p>2. At the end of the session the phase III A student must</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

	know how to prevent medical negligence and how to defend in medical negligence litigations correctly								
FM4.19	<p>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 alcoholintoxication</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know about importance, rules and ingredients of different types of consent correctly</p> <p>2. At the end of the session phase III A the student must know how to take consent in relation to age, emergency situation, mental illness and alcohol intoxication correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.20	<p>Describe therapeutic privilege, Malingering, Therapeutic Misadventure, Professional Secrecy, Human Experimentation</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know about therapeutic privilege, Malingering, Therapeutic Misadventure, correctly</p> <p>2. At the end of the session phase III A the student must know Professional Secrecy, Human Experimentation correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
Number	<p>COMPETENCY</p> <p>The student should be able to</p>	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	<p>Describe Products liability and Medical Indemnity Insurance</p> <p>Objective</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

	<p>1. At the end of the session phase III A the student must know about Products liability and Medical Indemnity Insurance correctly</p> <p>2. At the end of the session phase III A the student must know how Medical Indemnity Insurance be beneficial to medical practitioners correctly</p>								
FM4.22	<p>Explain Oath – Hippocrates, Charaka and Sushruta and procedure for administration of Oath.</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know Oath – Hippocrates, Charaka and Sushruta correctly</p> <p>2. At the end of the session phase III A the student must be able to describe procedure for Oath – Hippocrates, Charaka and Sushruta correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.23	<p>Describe the modified Declaration of Geneva and its relevance</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know modified Geneva Declaration correctly</p> <p>2. At the end of the phase III A session student must be able to enlist relevance of modified Geneva Declaration correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.24	<p>Enumerate rights, privileges and duties of a Registered Medical Practitioner. Discuss doctor- patient relationship: professional secrecy and privileged communication</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know rights, privileges and duties of a Registered Medical Practitioner correctly</p> <p>2. At the end of the session phase III A the student must know be able to enumerate points of doctor- patient relationship: professional secrecy and privileged communication correctly</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.25	<p>Clinical research & Ethics Discuss human experimentation including clinical trials</p> <p>Objective</p> <p>1. At the end of the session phase III A the student should</p>	K	KH	N	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	

	<p>know Clinical research & Ethics correctly</p> <p>2. At the end of the session phase III A the student should be able to enlist points of ethics on human experimentation including clinical trials correctly</p>								
FM4.26	<p>Discuss the constitution and functions of ethical committees</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know constitution of ethical committees correctly.</p> <p>2. At the end of the session phase III A the student must know functioning of ethical committees correctly.</p>	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.27	<p>Describe and discuss Ethical Guidelines for Biomedical Research on Human Subjects & Animals</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know Ethical Guidelines for Biomedical Research on Human Subjects & Animals correctly</p> <p>2. At the end of the session phase III A the student must know to enlist ethical Guidelines for Biomedical Research on Human Subjects & Animals correctly</p>	K	KH	N	Lecture, Small group discussion	Written/ Viva voce		AETCOM, Pharmacology	
FM4.28	<p>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</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know laws relating to medical practice and Ethical code of conduct prescribed by Medical Council of India from time to time accurately</p> <p>2. At the end of the session phase III A the student must know how to interpret laws relating to medical practice and Ethical code of conduct prescribed by Medical Council of India accurately</p>	A and C	SH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
FM4.29	<p>Demonstrate ability to communicate appropriately with media, public and doctors</p> <p>Objective</p>	A and C	KH/SH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	

	1. At the end of the session phase III A the student must know how to communicate appropriately with media, 2. At the end of the session phase III A the student must be able to demonstrate how to communicate with public and doctors appropriately								
FM4.30	Demonstrate ability to conduct research in pursuance to guidelines or research ethics Objective 1. At the end of the session phase III A the student must know guidelines or research ethics correctly 2. At the end of the session phase III A the student must be able to enlist guidelines for pursuance of research ethics correctly how to communicate with media, public and doctors correctly	A and C	KH/SH	Y	Lecture, Small group discussion	Written/ Viva voce		AETCOM	
Topic:ForensicPsychiatry Number ofcompetencies:(06) Number of procedures that require certification:(NIL)									
FM5.1	Classify common mental illnesses including post-traumatic stress disorder (PTSD) Objective 1. At the end of the session phase III A the student must know common mental illnesses correctly 2. At the end of the session phase III A the student must be able to classify common mental illnesses including post-traumatic stress disorder (PTSD) correctly	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	
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 Objective 1. At the end of the session phase III A the student must	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	

	<p>know delusions, hallucinations, illusion with exemplification correctly</p> <p>2. At the end of the session phase III A the student must know lucid interval and obsessions with exemplification correctly</p>								
FM5.3	<p>Describe Civil and criminal responsibilities of a mentally ill person</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know Civil responsibilities of a mentally ill person correctly</p> <p>2. At the end of the session phase III A the student must know criminal responsibilities of a mentally ill person correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	
FM5.4	<p>Differentiate between true insanity from feigned insanity</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know true insanity and feigned insanity correctly</p> <p>2. At the end of the session phase III A the student must know how to differentiate between true insanity from feigned insanity correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	
FM5.5	<p>Describe & discuss Delirium tremens</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know Delirium tremens correctly</p> <p>2. At the end of the session phase III A the student must be able to discuss Delirium tremens correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry, General Medicine	
FM5.6	<p>Describe the Indian Mental Health Act, 1987 with special reference to admission, care and discharge of a mentally ill person</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know Indian Mental Health Act, 1987</p> <p>2. At the end of the session phase III A the student must know how to admission, care and discharge of a mentally ill person with reference to Indian Mental Health Act, 1987 correctly</p>	K	K/KH	N	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	

Topic: Forensic Laboratory investigation in medicallegalpractice		Number ofcompetencies:(03)			Number of procedures that require certification:(NIL)				
FM6.1	<p>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 DNAFingerprinting.Describe Locard’s Exchange Principle</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know different types of specimen and tissues to be collected both in the living and dead for histo-pathological examination, blood grouping, HLA Typing and DNA Fingerprinting correctly</p> <p>2. At the end of the session phase III A the student must know how to apply Describe Locard’s Exchange Principle correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology	
FM6.2	<p>Describe the methods of sample collection, preservation, labelling, dispatch, and interpretation of reports</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know methods of sample collection, preservation, labeling, dispatch correctly</p> <p>2. At the end of the session phase III A the student must know application of Locard’s Exchange Principle correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM6.3	<p>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</p> <p>Objective</p>	A and C	KH/SH	Y	Lecture, Small group discussions, DOAP sessions	Viva voce / OSPE			

	1. At the end of the session phase III A the student must know how to handle biological or trace evidences and send to Forensic Science laboratory for examination correctly 2. At the end of the session phase III A the student must be able to Demonstrate professionalism while examination and interpretation of result of result and examination correctly								
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 inForensicMedicine		Number ofcompetencies:(01)			Number of procedures that requirecertification:(NIL)				
FM7.1	<p>Enumerate the indications and describe the principles and appropriate use for:</p> <ul style="list-style-type: none"> - DNAprofiling - Facial reconstruction - Polygraph (LieDetector) - Narcoanalysis, - BrainMapping, - Digitalautopsy, - VirtualAutopsy, - Imagingtechnologies <p>Objective</p> <p>1. student must know indications and appropriate use for :</p> <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			

	<p>Correctly</p> <p>2. At the end of the session phase III A the student must be able enumerate indications principles and appropriate use of:</p> <ul style="list-style-type: none"> - DNA profiling - Facial reconstruction - Polygraph (Lie Detector) - Narcoanalysis, - Brain Mapping, - Digital autopsy, - Virtual Autopsy, - Imaging technologies <p>Correctly</p>									
Topic: Toxicology:GeneralToxicology		Number ofcompetencies:(10)			Number of procedures that require certification:(NIL)					
FM8.1	<p>Describe the history of Toxicology</p> <p>Objective</p> <p>1. At the end of the session phase III A the student must know history of Toxicology correctly</p> <p>2. At the end of the session phase III A the student must be able to describe history of Toxicology correctly</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacology		
FM8.2	<p>Define the terms Toxicology, Forensic Toxicology, Clinical Toxicology andpoison</p> <p>Objective</p> <p>1. At the end of the session phase III a student must able to differentiate the terms Toxicology, Forensic Toxicology, Clinical Toxicology.</p> <p>2. At the end of the session phase III student must be able to classify various poisons.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacology		
FM8.3	<p>Describe the various types of poisons, Toxicokinetics, and Toxicodynamics and diagnosis of poisoning in living and dead</p> <p>Objective</p> <p>1. At the end of the session phase III student must be able to enumerate the various types of poisons, their toxicokinetics and toxicodynamics correctly.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/viva voce		Pharmacology		

	2. At the end of the session phase III students must able to describe diagnosis of poisoning in living and dead correctly.								
FM8.4	<p>Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons</p> <p>Objective</p> <p>1. At the end of the session phase III student must be able to know various laws in relation to poisons including NDPS Act.</p> <p>2. At the end of the session phase III student must be able to describe medicolegal aspects of poisons.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pharmacology	
FM8.5	<p>Describe Medico-legal autopsy in cases of poisoning including preservation and dispatch of viscera for chemical analysis</p> <p>Objective</p> <p>1. At the end of the session phase III student must be able to describe Medico-legal autopsy in case of poisoning accurately.</p> <p>2. At the end of the session the Phase III student must be able to choose preservation of viscera for chemical analysis correctly.</p> <p>3. At the end of the session the Phase III student must be able to report dispatch of viscera for chemical analysis correctly.</p>	K	K/KH	Y	Lecture, Small group discussion, Autopsy, DOAP session	Written/ Viva voce/ OSPE		Pharmacology	
FM8.6	<p>Describe the general symptoms, principles of diagnosis and management of common poisons encountered in India</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able enumerate general symptoms of common poisons encountered in India correctly.</p> <p>2. At the end of the session the Phase III student must be</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, DOAP session	Written/ Viva voce/ OSCE		Pharmacology	

	able to describe principles of diagnosis and management of common poisons encountered in India correctly.								
Number	COMPETENCY The student should be able to Objective	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 Objective 1. At the end of the session the Phase III student must be able to demonstrate simple Bedside clinic tests to detect poison/drug in a patient's body fluids correctly. 2. At the end of the session the Phase III student must be able to enumerate steps of simple bedside clinic tests to detect poison/ drug in a patient's 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 Objective 1. At the end of the session the Phase III student must be able to enumerate basic methodologies in treatment and decontamination of poisoning. 2. At the end of the session the Phase III student must be able to describe various 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	<p>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.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to differentiate how to intimate the police in suspected and actual case of foul play of poisoning.</p> <p>2. At the end of the session the Phase III student must be able to describe how to maintain records in case of poisoning.</p> <p>3. At the end of the session the Phase III student must be able to know how to preserve and despatch of relevant samples for laboratory analysis.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce			
FM8.10	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to enumerate the general principles of Analytical Toxicology.</p> <p>2. At the end of the session the Phase III student must be able to describe the various chromatographic analytic methods of toxicological analysis like Thin Layer Chromatography, Gas Chromatography, Liquid Chromatography and Atomic Absorption Spectroscopy</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce			

Topic: Toxicology :ChemicalToxicology		Number ofcompetencies:(06)			Number of procedures that require certification :(NIL)				
FM9.1	<p>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-Carboic Acid (phenol), Oxalic and acetylsalicylicacids</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to enumerate general steps in the treatment of corrosive poisoning correctly.</p> <p>2. At the end of the session the Phase III student must be able to classify various corrosive poisons.</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	
FM9.2	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to classify various non metallic poisons.</p> <p>2. At the end of the session the Phase III student must be able 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.</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	

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	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to classify various metallic poisons.</p> <p>2. At the end of the session the Phase III student must be able to 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</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	
FM9.4	<p>Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Ethanol, methanol, ethyleneglycol</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to classify inebriant poisons.</p> <p>2. At the end of the session the Phase III student must be able to describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Ethanol, methanol,</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	

	ethyleneglycol								
FM9.5	<p>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 Zincphosphide</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to classify agricultural poisons.</p> <p>2. At the end of the session the Phase III student must be able to 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 Zincphosphide.</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	
FM9.6	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to classify Asphyxiants and tear gases.</p> <p>2. At the end of the session the Phase III student must be</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	

able 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									
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Topic: Toxicology : Pharmaceutical Toxicology

Number of competencies: (01)

Number of procedures that require certification :(NIL)

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	<p>Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to:</p> <p>i. Antipyretics – Paracetamol,Salicylates ii. Anti-Infectives (Common antibiotics – an overview) iii.Nuropsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics,tricyclics iv.NarcoticAnalgesics,Anaesthetics,andMuscleRelaxants v. Cardiovascular Toxicology Cardiotoxic plants – oleander, odollam, aconite, digitalis vi.Gastro-Intestinal and Endocrinal Drugs – Insulin</p> <p>Objective 1. At the end of the session the Phase III student must be able to classify Infectives (Common antibiotics – an overview)</p>	K	K/KH	Y	Lecture, Small group discussion, Bed side clinic, Autopsy, DOAP session	Written/ Viva voce/ OSCE		Pharmacology, General Medicine	

	<p>Neuropsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics, tricyclics Narcotic Analgesics, Anaesthetics, and Muscle Relaxants Cardiovascular Toxicology Cardiotoxic plants – oleander, odollam, aconite, digitalis Gastro-Intestinal and Endocrinal Drugs – Insulin</p> <p>2. At the end of the session the Phase III student must be able to describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to</p> <p>Anti-Infectives (Common antibiotics – an overview)</p> <p>Neuropsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics, tricyclics Narcotic Analgesics, Anaesthetics, and Muscle Relaxants Cardiovascular Toxicology Cardiotoxic plants – oleander, odollam, aconite, digitalis Gastro-Intestinal and Endocrinal Drugs – Insulin</p>								
<p>Topic: Toxicology : Biotoxicology Number of competencies: (01) Number of procedures that require certification : (NIL)</p>									
FM11.1	<p>Describe features and management of Snake bite, scorpion sting, bee and wasp sting and spider bite Objective</p> <p>1. At the end of the session the Phase III student must be able to describe the physical characteristic features of snakes.</p> <p>2. At the end of the session the Phase III student must be able to differentiate how to manage a case of snake bite, scorpion sting, bee and wasp sting and spider bite.</p>	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	<p>Describe features and management of abuse/poisoning with following chemicals: Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs & solvent</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to differentiate features of abuse/ poisoning of various chemical like Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs & solvent.</p> <p>2. At the end of the session the Phase III student must be able how to manage the cases of various chemicals like Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs & solvent.</p>	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	<p>Describe toxic pollution of environment, its medico-legal aspects & toxic hazards of occupation and industry</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able enumerate various toxic pollutants.</p> <p>2. At the end of the session the Phase III student must be able describe toxic pollution of environment, its medico-legal aspects & toxic hazards of occupation and industry.</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce		General Medicine	
FM13.2	<p>Describe medico-legal aspects poisonin in Workma of CompensationAct</p>	K	K/KH	Y	Lecture, Small group discussion	Written/ Viva voce			

	Objective 1. At the end of the session the Phase III student must be able to enumerate about fixing/ calculating up compensation in Workmans compensation act. 2. At the end of the session the Phase III student must be to describe medical indemnity insurance								
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 Objective 1 At the end of the session the Phase III student must be able to demonstrate examination of injured person. 2. At the end of the session the Phase III student must be to perform independently how to 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	<p>Demonstrate the correct technique of clinical examination in a suspected case of poisoning & prepare medico-legal report in a simulated/ supervised environment</p> <p>Objective</p> <p>1 At the end of the session the Phase III student must be able to enumerate the correct technique of clinical examination in a suspected case of poisoning & prepare medico-legal report in a simulated/ supervised environment.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate the correct technique of clinical examination in a suspected case of poisoning & prepare medico-legal report in a simulated/ supervised environment.</p>	S	SH	Y	Bedside clinic (ward/casualty), Small Group discussion	Log book/ Skill station/ Viva voce / OSCE		General Medicine	
FM14.3	<p>Assist and demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to describe how to collect, preserve and dispatch the samples of suspected case of poisoning.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate clinical examination of suspected case of poisoning.</p>	S	SH	Y	Bedside clinic, Small Group discussion, DOAP session	Skill lab/ Viva voce		General Medicine	

FM14.4	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to enumerate the steps how to estimate the age of a person.</p> <p>2. At the end of the session the Phase III student must be able to describe how to 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</p>	S	KH	Y	Small group discussion, Demonstration	Log book/ Skill station/ Viva voce / OSCE			
FM14.5	<p>Conduct & prepare post-mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to describe how to conduct post-mortem examination of varied etiologies.</p> <p>2. At the end of the session the Phase III student must be able to know how to prepare post-mortem reports of varied etiologies.</p>	S	KH	Y	Small group discussion, Autopsy, DOAP session	Log book/ Skill station/ Viva voce / OSCE			
FM14.6	<p>Demonstrate and interpret medico-legal aspects from examination of hair (human & animal) fibre, semen & other biological fluids</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to list the trace evidences at scene of crime.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate and interpret medico-legal aspects</p>	S	KH	Y	Small group discussion, Lecture	Log book/ Skill station/ Viva voce / OSCE			

	from examination of hair (human & animal) fibre, semen & other biological fluids.								
FM14.7	<p>Demonstrate & identify that a particular stain is blood and identify the species of its origin</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to enumerate various screening and confirmatory tests of blood.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate & identify that a particular stain is blood and identify the species of its origin</p>	S	KH	Y	Small group discussion, Lecture	Log book/Skill station/Viva voce		Pathology, Physiology	
FM14.8	<p>Demonstrate the correct technique to perform and identify ABO &RH blood group of a person</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to demonstrate the correct technique to perform and identify ABO &RH blood group of a person.</p> <p>2. At the end of the session the Phase III student must be able to enumerate other test which can used for paternity establishment on examination of blood.</p>	S	SH	Y	Small group discussion, DOAP session	Log book/Skill station/Viva voce		Pathology, Physiology	
FM14.9	<p>Demonstrate examination of & present an opinion after examination of skeletal remains in a simulated/supervised environment</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to demonstrate examination of & present an opinion after examination of skeletal remains in a simulated/</p>	S	SH	Y	Small group discussion, DOAP session	Log book/Skill station/Viva voce			

	supervised environment. 2. At the end of the session the Phase III student must be able differentiate age, sex and race on the basis of skeletal remains in process of identification.								
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 Objective 1. At the end of the session the Phase III student must be able to classify various injuries inflicted by different weapons. 2. At the end of the session the Phase III student must be able to differentiate different injuries prepare injury report on the basis of 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, kripa, axe, gandasa, gupta, 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	S	KH	Y	Small group discussion, DOAP session	Log book/Skill station/ Viva voce/ OSPE			

	<p>weapon with the injuries)</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to list various weapon and injuries caused by different weapons.</p> <p>2. At the end of the session the Phase III student must be able to describe how to prepare a wepon report on the basis of injuries inflicted by weapons.</p>								
FM14.12	<p>Describe the contents and structure of bullet and cartridges used & to provide medico-legal interpretation from these</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to differentiate between bullet and cartridges and types of bullets.</p> <p>2. At the end of the session the Phase III student must be able to describe the contents and structure of bullet and cartridges used & to provide medico-legal interpretation from these.</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/Viva voce			
FM14.13	<p>To estimate the age of foetus by post-mortem examination</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to differentiate still born and dead born foetus.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate how to estimate the age of fetus by post-mortem examination.</p>	S	KH	Y	Small group discussion, DOAP session	Theory/ Clinical assessment/ Viva voce			
FM14.14	<p>To examine & prepare of a alleged accused in rape/unnatural sexual offence and environment</p> <p>Objective</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE			

	<p>1. At the end of the session the Phase III student must be able to define sexual offences</p> <p>2. At the end of the session the Phase III student must be able to describe how to examine of alleged accused of rape.</p>								
FM14.15	<p>To examine & prepare medico-legal report of a victim of sexual offence/unnatural sexual offence in a simulated/supervised environment</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able define rape and other sexual offences.</p> <p>2. At the end of the session the Phase III student must be able to demonstrate how to examine & prepare medico-legal report of a victim of sexual offence/unnatural sexual offence in a simulated/ supervised environment.</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE			

FM14.16	<p>To examine & prepare medico-legal report of drunk person in a simulated/ supervised environment</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to describe the examination of drunk person.</p> <p>2. At the end of the session the Phase III student must be able to describe how to prepare medico-legal report of drunk person in a simulated/ supervised environment.</p>	S	KH	Y	Small group discussion, Bed side clinic, DOAP session	Log book/ Skill station/ Viva voce / OSCE			
FM14.17	<p>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.</p> <p>Objective</p> <p>1. . At the end of the session the Phase III student must be able to classify various organic poisons.</p> <p>2. . At the end of the session the Phase III student must be able to differentiate between plant and animal poison.</p> <p>3. . At the end of the session the Phase III student must be able to describe how 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</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Viva voce			
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	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must list the protocols to be followed for conduction Autopsy in Custody Deaths and following Human Rights Violation.</p> <p>2. At the end of the session the Phase III student must know how to conduct post-mortem examination in custody deaths and following human rights violations as per NHRC guidelines.</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE			
FM14.19	<p>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</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must able to perform under supervision histopathological slides of Myocardial Infarction, pneumonitis, tuberculosis, brain infarct, liver cirrhosis, brain haemorrhage, bone fracture, Pulmonary oedema, brain oedema, soot particles, diatoms & wound healing</p> <p>2. At the end of the session the Phase III student must able to differentiate various histo pathological slides.</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce			
FM14.20	<p>To record and certify dying declaration in a simulated/ supervised environment</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must able to differentiate dying declaration and dying deposition</p>	S	KH	Y	Small group discussion, Role Play, Bed side clinic DOAP session	Log book/ Skill station/ Viva voce /OSCE			

	2. At the end of the session the Phase III student must be able to describe how to record and certify dying declaration in simulated/ supervised environment.								
FM14.21	<p>To collect, preserve, seal and dispatch exhibits for DNA-Finger printing using various formats of different laboratories.</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to enumerate various steps of DNA fingerprinting.</p> <p>2. At the end of the session the Phase III student must be able to describe how to collect, preserve, seal and dispatch trace evidences for DNA- Fingerprinting using various formats of different laboratories.</p>	S	KH	Y	Small group discussion, Lecture	Log book/ Skill station/Viva voce			
FM14.22	<p>To give expert medical/ medico-legal evidence in Court of law</p> <p>Objective</p> <p>1. At the end of the session the Phase III student must be able to describe to how give expert medical/ medico-legal evidence in Court of law.</p> <p>2. At the end of the session the Phase III student must be able to discuss to how give expert medical/ medico-legal evidence in Court of law</p>	S	KH	Y	Small group discussion, Lecture, DOAP session, role play, CourtVisits	Log book/ Viva voce/OSCE			
<p>Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication.</p> <p>Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently,</p> <p>Column F: DOAP session – Demonstrate, Observe, Assess, Perform.</p> <p>Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation</p>									

