

Department of Forensic Medicine
Gian Sagar Medical College, Ram Nagar, Tehsil Rajpura, District Patiala, Punjab
India

Objectives

Topic: General Information	Number of competencies: (11)						
Number	Competency	Objectives	Domain K/S/ A/C	Level K/KH /SH/ P	Core(Y/ N)	Suggested teaching learning method	Suggested assessment method
FM1.1	Demonstrate knowledge of basics of Forensic Medicine like definitions of Forensic medicine, Clinical Forensic Medicine, Forensic Pathology, State	1 - At the end of the session the phase III part I MBBS student should be able to - Define Forensic medicine correctly. 2 - At the end of the session the phase III part I MBBS student should be able to -Define Clinical Forensic Medicine correctly. 3 - At the end of the session the phase III part I MBBS student should be able to -Define Forensic	K	KH	N	Lecture, small group discussion	Written/ viva voce

	Medicine, Legal Medicine and Medical Jurisprudence	Pathology correctly. 4 - At the end of the session the phase III part I MBBS student should be able to Define State Medicine correctly. 5 - At the end of the session the phase III part I MBBS student should be able to Define Legal Medicine correctly. 6 - At the end of the session the phase III part I MBBS student should be able to define Medical Jurisprudence correctly.					
FM1.2	Describe history of Forensic Medicine	1 - At the end of the session the phase III part I MBBS student should be able to Describe history of Forensic Medicine correctly	K	KH	N	Lecture, small group discussion	Written/ viva voce
FM1.3	Describe legal procedures including Criminal Procedure Code, Indian Penal Code, Indian Evidence Act, Civil and Criminal Cases, Inquest (Police Inquest and Magistrate's Inquest), Cognizable and Non-cognizable	1 -At the end of the session the phase III part I MBBS student should be able to - Define Criminal Procedure Code correctly. 2 - At the end of the session the phase III part I MBBS student should be able to -define Indian Penal Code correctly. 3 - At the end of the session the phase III part I MBBS student should be able to- define Indian Evidence Act correctly. 4 - At the end of the session the phase III part I MBBS student	K	KH	N	Lecture, small group discussion	Written /viva voce

	offences	<p>should be able to- define Civil cases correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student should be able to- define Criminal Cases correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student should be able to - define Inquest correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student should be able to- describe Police Inquest correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student should be able to - describe Magistrate's Inquest correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student should be able to- describe Cognizable offences correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student should be able to- describe Non-cognizable offences correctly.</p>					
FM1.4	Describe Courts in India and their powers: Supreme Court, High Court,	<p>1 - At the end of the session the phase III part I MBBS student should be able to - Describe various Courts in India correctly.</p> <p>2 - At the end of the session the</p>	K	KH	N	Lecture, small group discussion	Written/ viva voce

	Sessions court, Magistrate's Court, Labour Court, Family Court, Executive Magistrate Court and Juvenile Justice Board	phase III part I MBBS student should be able to discuss the powers of various courts correctly .					
FM1.5	Describe Court procedures including issue of Summons, conduct money, types of witnesses, recording of evidence oath, affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence & conduct of doctor in witness box	<p>- At the end of the session the phase III part I MBBS student should be able to - Describe Court procedures including issue of Summons correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student should be able to discuss conduct money correctly .</p> <p>3 - At the end of the session the phase III part I MBBS student should be able to discuss types of witnesses correctly .</p> <p>4 - At the end of the session the phase III part I MBBS student should be able to describe recording of evidence correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student should be able to describe oath affirmation correctly .</p> <p>6 - At the end of the session the phase III part I MBBS student</p>	K	KH	N	Lecture, small group discussion, Moot Court	Written /viva voce

		<p>should be able to describe examination in chief correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student should be able to describe cross examination correctly .</p> <p>8 - At the end of the session the phase III part I MBBS student should be able to describe re-examination correctly .</p> <p>9 - At the end of the session the phase III part I MBBS student should be able to describe court questions correctly .</p> <p>10 - At the end of the session the phase III part I MBBS student should be able to describe recording of evidence correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student should be able to discuss conduct of doctor in witness box.</p> <p>e Dying Declaration & Dying Deposition correctly.</p> <p>1 - At the end of the session the phase III part I MBBS student must be able to Describe Dying Declaration correctly .</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to describe Dying</p>					
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		Deposition correctly.					
FM1.6	Describe Offenses in Court including Perjury; Court strictures vis-a-vis Medical Officer	1 - At the end of the session the phase III part I MBBS student should be able to - Describe Offenses in Court including Perjury correctly. 2 - At the end of the session the phase III part I MBBS student should be able to - Describe Court strictures vis-a-vis Medical Officer correctly .	K	KH	N	Lecture, small group discussion	Written viva voce
FM1.7	Describe Dying Declaration & Dying Deposition	1 - At the end of the session the phase III part I MBBS student must be able to Describe Dying Declaration correctly. 2 - At the end of the session the phase III part I MBBS student must be able to describe Dying Deposition correctly.	K	KH	Y	Lecture, small group discussion	Written viva voce
FM1.8	Describe the latest decisions/ notifications/resolutions/circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc.	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the latest decisions related to medico-legal practice issued by courts/ Government authorities etc. correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe the latest notifications related to medico-legal practice issued by courts/	K	KH	Y	Lecture, small group discussion	Written viva voce

		<p>Government authorities etc. correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe the latest resolutions related to medico-legal practice issued by courts/ Government authorities etc. correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the latest circulars related to medico-legal practice issued by courts/ Government authorities etc. correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the latest standing orders related to medicolegal practice issued by courts/ Government authorities etc. correctly.</p>					
FM1.9	Describe the importance of documentation in medical practice in regard to medicolegal examinations,	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports correctly .	K	KH	Y	Lecture, small group discussion	Written viva voce

	<p>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. 	<p>2 - At the end of the session the phase III part I MBBS student must be able to - maintenance of patient case records correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - discharge summary correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - prescribed registers to be maintained in Health Centres correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - maintenance of medico-legal register like accident register correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - documents of issuance of wound certificate correctly.</p> <p>7- At the end of the session the phase III part I MBBS student must be able to - documents of issuance of drunkenness certificate correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - documents of issuance of sickness fitness certificate correctly.</p> <p>9 - At the end of the session the</p>					
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	-documents of Medical Certification of Cause of Death - Form Number4 and 4A - documents for estimation of age by physical, dental and radiological examination and issuance of certificate	phase III part I MBBS student must be able to - documents of issuance of fitness certificate correctly . 10 - At the end of the session the phase III part I MBBS student must be able to- documents for issuance of death certificate. - documents of Medical Certification of Cause of Death - Form Number4 and 4A correctly. 11 - At the end of the session the phase III part I MBBS student must be able to - documents for estimation of age by physical, dental and radiological examination and issuance of certificate correctly.					
FM1.10	Select appropriate cause of death in a particular scenario by referring ICD 10 code	1 - At the end of the session the phase III part I MBBS student must be able to - choose an appropriate cause of death in a particular scenario by referring ICD 10 code correctly .	K	KH	Y	Lecture, small group discussion	Written/ viva voce
FM1.11	Write a correct cause of death certificate as per ICD 10 document	1 - At the end of the session the phase III part I MBBS student must be able to - Write a correct cause of death certificate as per ICD 10 document correctly .	S	SH	Y	Lecture, small group discussion	Written/ viva voce
Topic: Forensic Pathology		Number of competencies: (35)					
Number							

FM2.1	Define, describe and discuss death and its types including somatic/clinical/cellular, molecular and brain death, Cortical Death and Brainstem Death	1 - At the end of the session the phase III part I MBBS student must be able to - Define Death correctly . 2 - At the end of the session the phase III part I MBBS student must be able to - Classify Death correctly . 3 - At the end of the session the phase III part I MBBS student must be able to - Describe Cortical Death correctly . 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Brainstem Death correctly.	K	KH	Y	Lecture, small group discussion	Written/ viva voce
FM2.2	Describe and discuss natural and unnatural deaths	1 - At the end of the session the phase III part I MBBS student must be able to -Describe Natural Death correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Un-natural Death correctly.	K	KH	Y	Lecture, small group discussion	Written viva voce
FM2.3	Describe and discuss issues related to sudden natural deaths	1 - At the end of the session the phase III part I MBBS student must be able to -Describe Sudden Natural death correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss issues related to sudden natural death correctly.	K	KH	Y	Lecture, small group discussion	Written viva voce
FM2.4	Describe salient	1 - At the end of the session the	K	KH	Y	Lecture,	Written

	features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation	phase III part I MBBS student must be able to - Describe salient features of the Organ Transplantation correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss salient features of The Human Organ Transplant (Amendment) Act 2011 correctly . 3 - At the end of the session the phase III part I MBBS student must be able to - discuss ethical issues regarding organ donation correctly .				small group discussion	viva voce
FM2.5	Discuss moment of death, modes of death - coma, asphyxia and syncope	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss moment of death (coma, asphyxia and syncope) correctly 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss modes of death (coma, asphyxia and syncope) correctly.	K	KH	Y		
FM2.6	Discuss presumption of death and survivorship	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss presumption of death correctly. 2 - At the end of the session the phase III part I MBBS student must be able to -Discuss presumption of survivorship correctly.	K	KH	Y	Lecture, small group discussion	Written /viva voce

FM2.7	Describe and discuss suspended animation	1 - At the end of the session the phase III part I MBBS student must be able to - discuss suspended animation correctly.	K	KH	Y	Lecture, small group discussion	Written/ viva voce
FM2.8	Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening	1 - At the end of the session the phase III part I MBBS student must be able to - Describe signs and death/ postmortem changes (Immediate & early changes) accurately.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.9	Describe putrefaction, mummification, adipocere and maceration	1 - At the end of the session the phase III part I MBBS student must be able to - Describe signs and death/ postmortem changes (Late changes) accurately.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.10	Discuss estimation of time since death	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss estimation of time since death accurately.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.11	Describe and	1 - At the end of the session the	K	KH	Y	Lecture,	Written/

	discuss autopsy procedures including post-mortem examination, different types of autopsies, aims and objectives of post-mortem examination	phase III part I MBBS student must be able to - Describe discuss autopsy procedures (Including P.M. Examination) accurately. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss different types of autopsies accurately. 3 - At the end of the session the phase III part I MBBS student must be able to - discuss aims and objectives of post-mortem examination accurately.				small group discussion, autopsy, DOAP session	viva voce/ OSPE
FM2.12	Describe the legal requirements to conduct post-mortem examination and procedures to conduct medico-legal post-mortem examination	- At the end of the session the phase III part I MBBS student must be able to - Describe the legal requirements to conduct post-mortem examination accurately. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss procedures to conduct medico-legal postmortem examination accurately.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.13	Describe and discuss obscure autopsy	1 - At the end of the session the phase III part I MBBS student must be able to - discuss obscure autopsy accurately.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.14	Describe and discuss	1 - At the end of the session the phase III part I MBBS student	K	KH	Y	Lecture, small group	Written/ viva

	examination of clothing, preservation of viscera on postmortem examination for chemical analysis and other medico-legal purposes, post-mortem artefacts	<p>must be able to - discuss examination of clothing accurately.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss preservation of viscera on post-mortem examination for chemical analysis accurately.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss preservation of viscera on post-mortem examination for other medico - legal purposes accurately.</p> <p>4 - At the end of the session, the phase III part I MBBS student must be able to - Discuss post-mortem artifacts accurately.</p>				discussion, autopsy, DOAP session	voce/ OSPE
FM2.15	Describe special protocols for conduction of medico-legal autopsies in cases of death in custody or following violation of human rights as per National Human Rights Commission Guidelines	1 - At the end of the session, the phase III part I MBBS student must be able to - Describe special protocols for conduction of medicolegal autopsies in cases of death in custody or following violation of human rights as per National Human Rights Commission Guidelines correctly.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE

FM2.16	Describe and discuss examination of mutilated bodies or fragments, charred bones and bundle of bones	<p>1 - At the end of the session, the phase III part I MBBS student must be able to - Describe examination of mutilated bodies or fragments correctly.</p> <p>2 - At the end of the session, the phase III part I MBBS student must be able to - Describe examination of charred bones correctly.</p> <p>3 - At the end of the session, the phase III part I MBBS student must be able to - Describe examination of bundle of bones correctly.</p>	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.17	Describe and discuss exhumation	1 - At the end of the session, the phase III part I MBBS student must be able to - discuss exhumation correctly.	K	KH	Y	Lecture, small group discussion	Written/ viva voce
FM2.18	Crime Scene Investigation: Describe and discuss the objectives of crime scene visit, the duties & responsibilities of doctors on crime scene and the construction of sequence of events after crime scene	<p>1 - At the end of the session the phase III part I MBBS student must be able to - discuss the objectives of crime scene visit correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - discuss duties & responsibilities of doctors on crime scene correctly.</p> <p>3 - At the end of the session, the phase III part I MBBS student must be able to - discuss construction of sequence of events after crime scene</p>	K	KH	Y	Lecture, small group discussion	Written/ viva voce

	investigation	investigation correctly.					
FM2.19	deaths: Describe and discuss special protocols for conduction of autopsy and for collection, preservation and dispatch of related material evidences	1 - At the end of the session, the phase III part I MBBS student must be able to -discuss the Investigation of an aesthetic, deaths correctly. 2 - At the end of the session, the phase III part I MBBS student must be able to - discuss the Investigation of operative deaths correctly.	K	KH	Y	Lecture, small group discussion	Written/ viva voce
FM2.20	Mechanical asphyxia: Define, classify and describe asphyxia and medico-legal interpretation of post-mortem findings in asphyxial deaths	1 - At the end of the session the phase III part I MBBS student must be able to - Define Mechanical asphyxia correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - classify Mechanical asphyxia correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - describe asphyxia correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - discuss medico-legal interpretation of post-mortem findings in asphyxial deaths correctly.	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE
FM2.21	Mechanical	1 - At the end of the session the	K	KH	Y	Lecture,	Written/

	<p>asphyxia: Describe and discuss different types of hanging and strangulation including clinical findings, causes of death, post-mortem findings and medico-legal aspects of death due to hanging and strangulation including examination, preservation and dispatch of ligature material</p>	<p>phase III part I MBBS student must be able to - define hanging correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - define strangulation correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - classify hanging correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - classify strangulation correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical findings of hanging correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical findings of strangulation correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - discuss causes of death in hanging correctly. 8 - At the end of the session the phase III part I MBBS student must be able to - discuss causes of death in strangulation correctly. 9 - At the end of the session the</p>				<p>small group discussion, autopsy, DOAP session</p>	<p>viva voce/ OSPE</p>
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		<p>phase III part I MBBS student must be able to - discuss post-mortem findings of hanging death correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - discuss post-mortem findings of strangulation death correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - discuss medico-legal aspects of hanging and strangulation correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - discuss examination, preservation and dispatch of ligature material correctly.</p>					
FM2.22	Mechanical asphyxia: Describe and discuss patho-physiology, clinical features, postmortem findings and medico-legal aspects of traumatic asphyxia, obstruction of	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of traumatic asphyxia correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of obstruction of nose & mouth correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology</p>	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE

	<p>nose & mouth, suffocation and sexual asphyxia</p>	<p>of suffocation correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of sexual asphyxia correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss clinical features of traumatic asphyxia correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Discuss clinical features of obstruction of nose & mouth correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss clinical features of suffocation correctly. 8 - At the end of the session the phase III part I MBBS student must be able to - Discuss clinical features of sexual asphyxia correctly. 9 - At the end of the session the phase III part I MBBS student must be able to - discuss postmortem findings of traumatic asphyxia correctly. 10 - At the end of the session the phase III part I MBBS student must be able to - discuss postmortem findings of obstruction</p>					
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		<p>nose & mouth correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - discuss postmortem findings of suffocation correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - discuss postmortem findings of sexual asphyxia correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of traumatic asphyxia correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of obstruction nose & mouth correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of suffocation correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of sexual asphyxia correctly.</p>					
FM2.23	Describe and	1 - At the end of the session the	K	KH	Y	Lecture,	Written/

	<p>discuss types, pathophysiology, clinical features, postmortem findings and medico-legal aspects of drowning, diatom test and, Gettler's test.</p>	<p>phase III part I MBBS student must be able to - define drowning correctly. 2 - At the end of the session the phase III part I MBBS student must be able to -classify drowning correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe patho-physiology drowning correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features drowning correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem findings drowning correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Describe medico-legal aspects drowning correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - discuss diatom test. 8 -At the end of the session the phase III part I MBBS student must be able to - discuss Gettler's test correctly.</p>				<p>small group discussion, autopsy, DOAP session</p>	<p>viva voce/ OSPE</p>
FM2.24	Thermal deaths:	1 - At the end of the session the	K	KH	Y	Lecture,	Written/

	<p>Describe the clinical features, post-mortem finding and medicolegal aspects of injuries due to physical agents like heat (heat-hyper pyrexia, heatstroke, sunstroke, heat exhaustion/prostration, heat cramps [miner's cramp] or cold (systemic and localized hypothermia, frostbite, trenchfoot, immersion foot)</p>	<p>phase III part I MBBS student must be able to - Define Thermal injuries correctly. 2 -At the end of the session the phase III part I MBBS student must be able to - Classify Thermal injuries correctly. 3 -At the end of the session the phase III part I MBBS student must be able to - Describe clinical features heat-hyper pyrexia correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features heatstroke correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features sunstroke correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features heat exhaustion correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features heat cramps correctly. 8 -At the end of the session the phase III part I MBBS student must be able to - Describe clinical features hypothermia correctly.</p>				<p>small group discussion, autopsy, DOAP session</p>	<p>viva voce/ OSPE</p>
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		<p>9 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features frostbite correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features trench foot correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features immersion foot correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding heat-hyper pyrexia correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding heatstroke correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding sunstroke correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding heat exhaustion correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-</p>					
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		<p>mortem finding heat cramps correctly.</p> <p>17 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding hypothermia correctly.</p> <p>18 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding frostbite correctly.</p> <p>19 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding trench foot correctly.</p> <p>20 - At the end of the session the phase III part I MBBS student must be able to - Discuss post-mortem finding immersion foot correctly.</p> <p>21 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects heat-hyper pyrexia correctly.</p> <p>22 -At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects heatstroke correctly.</p> <p>23 - At the end of the session the phase III part I MBBS student</p>					
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		<p>must be able to - Describe medicolegal aspects sunstroke correctly.</p> <p>24 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects heat exhaustion correctly.</p> <p>25 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects heat cramps correctly.</p> <p>26 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects hypothermia correctly.</p> <p>27 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects frostbite correctly.</p> <p>28 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects trench foot correctly.</p> <p>29 - At the end of the session the phase III part I MBBS student must be able to - Describe medicolegal aspects immersion foot correctly.</p>					
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FM2.25	Describe types of injuries, clinical features, General Surgery patho-physiology, postmortem findings and medico-legal aspects in cases of burns, scalds, lightening, electrocution and radiations	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Injury correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to -Classify Injury correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of burns correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of scalds correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of lightening correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of electrocution correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of radiations correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of burns</p>	K	KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/ OSPE

		<p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of scalds correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of lightening correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of electrocution correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - Discuss patho-physiology of radiations correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem findings of burns correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem findings of scalds correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem findings of lightening correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem</p>					
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		<p>findings of electrocution correctly.</p> <p>17 - At the end of the session the phase III part I MBBS student must be able to - Describe postmortem findings of radiations correctly.</p> <p>18 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of burns correctly.</p> <p>19 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of scalds correctly.</p> <p>20 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of lightening correctly.</p> <p>21 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of electrocution correctly.</p> <p>22 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of radiations correctly.</p>					
FM2.26	Describe and discuss clinical features, postmortem findings and medico-legal	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define starvation correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must</p>	K	KH	Y	Lecture, small group discussion	Written/ viva voce

	aspects of death due to starvation and neglect	<p>be able to - Describe clinical features of death due to starvation correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of death due to neglect correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - discuss post-mortem findings of death due to starvation correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - discuss post-mortem findings of death due to neglect correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to -Describe medico-legal aspects of death due to starvation correctly</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to -Describe medico-legal aspects of death due to neglect correctly.</p>					
FM2.27	Define and discuss infanticide, foeticide and stillbirth	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define infanticide correctly.</p> <p>2 - At the end of the session the</p>	K	KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>phase III part I MBBS student must be able to - Define foeticide correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Define stillbirth correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss infanticide correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss foeticide correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss stillbirth correctly.</p>					
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</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - discuss signs of intrauterine death correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - discuss signs of live birth correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - discuss viability of foetus correctly.</p> <p>4 - At the end of the session the</p>	K	KH	Y	<p>Lecture, small group discussion, autopsy, DOAP session</p>	<p>Written/ viva voce/OSCE</p>

	Death syndrome and Munchausen's syndrome by proxy	<p>phase III part I MBBS student must be able to - discuss age determination of foetus correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - discuss DOAP session of ossification centers correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - discuss Hydrostatic test correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - discuss Sudden Infants Death syndrome correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - discuss Munchausen's syndrome by proxy correctly.</p>					
FM2.29	Demonstrate respect to the directions of courts, while appearing as witness for recording of evidence under oath or affirmation, examination in chief, cross	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate respect to the directions of courts, while appearing as witness for recording of evidence under oath or affirmation correctly.	A and C	SH	Y	Lecture, small group discussion, Moot court, court visits, role play	Role play during assessment

	examination, re-examination and court questions, recording of evidence						
FM2.30	Have knowledge/awareness of latest decisions/notifications/resolutions/circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate knowledge related to medico-legal practice issued by Courts/ Government authorities etc correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate awareness of latest decisions related to medico-legal practice issued by Courts/ Government authorities etc correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate notifications related to medico-legal practice issued by Courts/ Government authorities etc correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate resolutions related to medico-legal</p>	A	K	Y	Lecture, small group discussion	Written/ viva voce

		<p>practice issued by Courts/ Government authorities etc correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate circulars related to medico-legal practice issued by Courts/ Government authorities etc correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate standing orders related to medicolegal practice issued by Courts/ Government authorities etc correctly.</p>					
FM2.31	Demonstrate ability to work in a team for conduction of medico-legal autopsies in cases of death following alleged negligence medical dowry death, death in custody or following violation of human rights as	1 - At the end of the session the phase III part I MBBS student must be able to - 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 correctly.	A	KH	Y	Lecture, small group discussion, Autopsy, DOAP session	Written/ viva voce/OPS E

	per National Human Rights Commission Guidelines on exhumation						
FM2.32	Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary correctly.	A and C	KH	Y	Lecture, small group discussion, DOAP session	Written/ viva voce
FM2.33	Demonstrate ability to use local resources whenever required like in mass disaster situations	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to use local resources whenever required like in mass disaster situations correctly.	A and C	KH	Y	Lecture, small group discussion	Written/ viva voce
FM2.34	Demonstrate ability to use local resources whenever required like in mass	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to use local resources whenever required like in mass disaster	A and C	KH	Y	Lecture, small group discussion	Written/ viva voce

	disaster situations	situations correctly.					
FM2.35	Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences correctly.	A and C	KH/S H	Y	Lecture, small group discussion, DOAP session	Written/ viva voce/OPSE
Topic: Clinical Forensic Medicine		Number of competencies: (33)					
FM3.1	Define and describe Corpus Delicti, establishment of identity of living persons including race, Sex, religion, complexion,	1 - At the end of the session the phase III part I MBBS student must be able to - Define Identification correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Classify Identification correctly. 3 - At the end of the session the	K	KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/skill assessment

	<p>stature, age determination using morphology, teeth-eruption, decay, bite marks, bones ossification centres, medico-legal aspects of age</p>	<p>phase III part I MBBS student must be able to - Describe Corpus Delicti correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe Datas of Identification in living correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe Datas of Identification in dead correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss bones-ossification centers correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal aspects of age correctly.</p>					
FM3.2	<p>IDENTIFICATION</p> <p>Describe and discuss identification of criminals, unknown persons, dead bodies from the remains-hairs, fibers, teeth, anthropometry, dactylography, footprints,</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe identification of criminals from the remains hairs, fibers, teeth anthropometry, dactylography footprints, scars, tattoos, poroscopy and superimposition correctly.</p> <p>2 -At the end of the session the phase III part I MBBS student must be able to - Describe identification of unknown persons from the</p>	K	KH	Y	Lecture, small group discussion	Written/ viva voce

	scars, tattoos, poroscopy and superimposition	remains- hairs, fibers, teeth anthropometry, dactylography footprints, scars, tattoos, poroscopy and superimposition correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe identification of dead bodies from the remains hairs, fibers, teeth anthropometry , dactylography footprints, scars, tattoos, poroscopy and superimposition correctly.					
FM3.3	Mechanical injuries and wounds: Define, describe and classify different types of mechanical injuries, abrasion, bruise, laceration, stab wound, incised wound, chop wound, defense wound, self inflicted/fabricated wounds and their medicolegal aspects	1 - At the end of the session the phase III part I MBBS student must be able to - Define Mechanical injury correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Define Wound correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Classify mechanical injury correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Define abrasion correctly. 5- At the end of the session the phase III part I MBBS student must be able to - Define bruise correctly. 6- At the end of the session the	K	KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSCE

		<p>phase III part I MBBS student must be able to - Define laceration correctly.</p> <p>7- At the end of the session the phase III part I MBBS student must be able to - Define stab wound correctly.</p> <p>8- At the end of the session the phase III part I MBBS student must be able to - Define incised wound correctly.</p> <p>9- At the end of the session the phase III part I MBBS student must be able to - Define chop wound correctly.</p> <p>10- At the end of the session the phase III part I MBBS student must be able to - Define defense wound correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Classify abrasion correctly .</p> <p>12- At the end of the session the phase III part I MBBS student must be able to - Classify bruise correctly.</p> <p>13- At the end of the session the phase III part I MBBS student must be able to - Classify laceration correctly.</p> <p>14- At the end of the session the</p>					
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		<p>phase III part I MBBS student must be able to - Classify stab wound correctly.</p> <p>15- At the end of the session the phase III part I MBBS student must be able to - Classify incised wound correctly.</p> <p>16- At the end of the session the phase III part I MBBS student must be able to - Classify chop wound correctly.</p> <p>17 - At the end of the session the phase III part I MBBS student must be able to - Classify defense wound correctly.</p> <p>18 - At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of abrasion correctly.</p> <p>19- At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of bruise correctly.</p> <p>20- At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of laceration correctly.</p> <p>21 - At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of stab wound correctly.</p>					
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		<p>22- At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of incised wound correctly.</p> <p>23- At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of chop wound correctly.</p> <p>24- At the end of the session the phase III part I MBBS student must be able to -Discuss Aging of defense wound correctly.</p> <p>25 - At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal aspects of abrasion correctly.</p> <p>26- At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal aspects of bruise correctly.</p> <p>27- At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal aspects of laceration correctly.</p> <p>28- At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal aspects of stab wound correctly.</p> <p>29- At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal</p>					
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		<p>aspects of incised wound correctly.</p> <p>30- At the end of the session the phase III part I MBBS student must be able to -Discuss medico-legal aspects of chop wound correctly.</p> <p>31- At the end of the session, the phase III part I MBBS student must be able to -Discuss medico-legal aspects of defense wound correctly.</p> <p>32 - At the end of the session, the phase III part I MBBS student must be able to - Describe self-inflicted correctly.</p> <p>33- At the end of the session, the phase III part I MBBS student must be able to - Describe fabricated wounds correctly.</p>					
FM3.4	Define injury, assault & hurt. Describe IPC pertaining to injuries	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Injury correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to Define Assault correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to Define Hurt correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to Describe IPC pertaining to injuries correctly.</p>	K	KH	Y	Lecture, small group discussion	Written/ viva voce

FM3.5	Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe homicidal injuries correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe suicidal injuries correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe accidental injuries correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe simple injuries correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe grievous injuries correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe dangerous injuries correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe ante-mortem injuries correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Describe post-mortem</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
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		injuries correctly.					
FM3.6	Mechanical injuries and wounds: Describe healing of injury and fracture of bones with its medico-legal importance	1 - At the end of the session the phase III part I MBBS student must be able to - Describe healing of injury correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe healing of fracture of bones correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe medico-legal importance of its correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.7	Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and Secondary	1 - At the end of the session the phase III part I MBBS student must be able to - Describe factors influencing infliction of injuries correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe factors influencing healing correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Wound Examination correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Wound Certification correctly. 5 - At the end of the session the	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>phase III part I MBBS student must be able to - Discuss cause of death Primary in Wound correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss cause of death Secondary in Wound correctly.</p>					
FM3.8	<p>Mechanical injuries and wounds: Describe and discuss different types of weapons including dangerous weapons and their examination</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss different types of weapons including dangerous weapons correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Examination of different types of weapons including dangerous weapons correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
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</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Firearm correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of firearms including structure and components correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Description of ammunition (Gun - Powder) correctly.</p> <p>4 - At the end of the session the</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	bullets and various terminology in relation of firearm – caliber, range, choking	<p>phase III part I MBBS student must be able to -Discuss mechanism of fire-arms correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss different types of cartridges correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss Caliber of Firearm correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss range of Firearm</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Discuss choking of Firearm correctly.</p>					
FM3.10	Firearm injuries: Describe and discuss wound ballistics different types of firearm injuries, blast injuries and their interpretation, preservation and dispatch of trace evidences in cases of firearm and blast injuries,	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss different types of firearm injuries correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss different types of Blast injuries correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe preservation of trace evidences in cases of firearm injuries correctly.</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSCE

	various tests related to confirmation of use of firearms	<p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe preservation of trace evidences in cases of blast injuries correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe dispatch of trace evidences in cases of firearm injuries correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe dispatch of trace evidences in cases of blast injuries correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe the various tests related to confirmation of firearms correctly.</p>					
FM3.11	Describe and discuss regional injuries to head (Scalp wounds, fracture skull, intracranial haemorrhages, coup and contrecoup injuries), neck,	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Head Injuries correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe Scalp wounds correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe skull fracture</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSC E/OSPE

	<p>chest, abdomen, limbs, genital organs, spinal cord and skeleton</p>	<p>correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Various types of intracranial haemorrhages correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss coup and contrecoup injuries correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to neck correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to Chest correctly . 8 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to Abdomen correctly. 9 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to Limbs correctly. 10 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to Genital Organ correctly. 11 - At the end of the session the phase III part I MBBS student must</p>					
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		<p>be able to - Discuss injuries to Spinal cord correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries to Skeleton correctly.</p>					
FM3.12	<p>Regional Injuries</p> <p>Describe and discuss injuries related to fall from height and vehicular injuries – Primary and Secondary impact, Secondary injuries, crush syndrome, railway spine</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss injuries related to fall from height correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss vehicular injuries correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Primary Impact Injury correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Secondary impact Injury correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss Secondary injuries correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss crush syndrome correctly.</p> <p>7 -At the end of the session the</p>	K	K/KH	Y	<p>Lecture, small group discussion, bedside clinic, DOAP session</p>	<p>Written/ viva voce/OSCE/OSPE</p>

		phase III part I MBBS student must be able to - Discuss railway spine correctly.					
FM3.13	Describe different types of sexual offences. Describe various sections of IPC regarding rape including definition of rape (Section 375 IPC), Punishment for Rape (Section 376 IPC) and recent amendments notified till date	1 - At the end of the session the phase III part I MBBS student must be able to - Define sexual offences (S. 375) correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Classify sexual offences correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe Punishment for Rape (Section 376 IPC) correctly. 4 - At the end of the session the phase III part I MBBS student must be able to – Describe SEXUAL OFFENCES correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce/OSCE/OSPE
FM3.14	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	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the examination of the victim of an alleged case of rape correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe the preparation of report of case of rape correctly. 3 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSCE/OSPE

	evidences in such cases	<p>be able to - Describe the opinion in it correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the preservation of trace evidences in such cases correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the dispatch of trace evidences incases correctly.</p>					
FM3.15	<p>SEXUAL OFFENCES</p> <p>Describe and discuss examination of accused and victim of sodomy, preparation of report, framing of opinion, preservation and dispatch of trace evidences in such case</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the examination of accused of sodomy correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the examination of victim of sodomy correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to preparation of report preparation of report in it correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the opinion regarding this correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe preservation of trace evidences in such case</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSCE/OSPE

		correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Describe dispatch of trace evidences in such case correctly.					
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	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss adultery correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss unnatural sexual offences correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss preparation of report of unnatural sexual offences correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss framing the opinion of unnatural sexual offences correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss preservation of trace evidences in such cases correctly. 6 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		be able to - Discuss dispatch of trace evidences in such cases correctly.					
FM3.17	Describe and discuss the sexual perversions fetishism, transvestism, voyeurism, sadism, necrophagia, masochism, exhibitionism, frotteurism, Necrophilia	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define sexual perversions correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Classify sexual perversions correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss fetishism correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss transvestism correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss voyeurism correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss sadism correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss necrophagia correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>be able to - Discuss masochism correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss exhibitionism correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss frotteurism correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Discuss Necrophilia correctly.</p>					
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>1 - At the end of the session the phase III part I MBBS student must be able to - Describe anatomy of male genitalia correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe anatomy of female genitalia correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe anatomy of hymen correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to -Classify hymen correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>be able to - Discuss the medico-legal importance of hymen correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Define virginity correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Define defloration correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Define legitimacy correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal importance of virginity correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal importance of defloration correctly.</p> <p>11- At the end of the session the phase III part I MBBS student must be able to - Discuss medico-legal importance of legitimacy correctly.</p>					
FM3.19	Discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy,	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss medicolegal aspects of pregnancy correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	precipitate labour superfoetation, superfecundation and signs of recent and remote delivery in living and dead	<p>be able to - Discuss the medicolegal aspects of delivery correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss signs of pregnancy correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss precipitate labour correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss superfoetation correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss superfecundation correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe the signs of recent delivery in living and dead correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to -Describe the signs of remote delivery in living and dead correctly.</p>					
FM3.20	Discuss disputed paternity and maternity	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss disputed	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>paternity correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss disputed maternity correctly.</p>					
FM3.21	<p>Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) - Prohibition of Sex Selection Act 2003 and Domestic Violence Act 2005</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Domestic Violence Act 2005 correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.22	<p>Define and discuss impotence, sterility, frigidity, sexual dysfunction, premature ejaculation. Discuss the causes of impotence and sterility in male and female</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define impotence correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Classify impotence correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Define sterility correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Define frigidity correctly.</p> <p>5 - At the end of the session the</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>phase III part I MBBS student must be able to - Define sexual dysfunction correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss premature ejaculation correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss the causes of impotence in male correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Discuss the causes of impotence in female correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss the causes of sterility in male correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss the causes of sterility in female correctly.</p>					
FM3.23	<p>Discuss Sterilization of male and female, artificial insemination, Test Tube Baby, surrogate mother, hormonal</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Sterilization of male correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Sterilization of female correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	replacement therapy with respect to appropriate national and state laws	<p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss artificial insemination correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Test Tube Baby correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss surrogate mother correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss hormonal replacement therapy with respect to appropriate national laws correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss hormonal replacement therapy with respect to appropriate state law correctly s.</p>					
FM3.24	Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in	1 - At the end of the session the phase III part I MBBS student should be able to - Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme correctly.	K	K/KH	N	Lecture, small group discussion	Written

	the National Family Planning Programme						
FM3.25	Discuss the major results of the National Family Health Survey	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss the major results of the National Family Health Survey correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.26	Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India correctly.	K	K/KH	Y	Lecture, small group discussion	Written
FM3.27	Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act 1971	1 - At the end of the session the phase III part I MBBS student must be able to - Define abortion correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - classify abortion correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss the methods of procuring MTP correctly. 4 - At the end of the session the	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>phase III part I MBBS student must be able to - Discuss the methods of procuring criminal abortion correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss complication of abortion correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss MTP Act 1971 correctly.</p>					
FM3.28	Describe evidences of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe evidences of abortion - in living and dead correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the duties of doctor in cases of abortion correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss the investigations of death due to criminal abortion correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.29	Describe and discuss child abuse and battered baby syndrome	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss child abuse correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		be able to - Discuss battered baby syndrome correctly.					
FM3.30	Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors	1 - At the end of the session the phase III part I MBBS student must be able to - Describe issues relating to torture correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss identification of injuries caused by torture correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss the sequelae of torture correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of torture survivors correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.31	Torture and Human rights Describe and discuss guidelines and Protocols of National Human Rights Commission regarding torture	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss the guidelines of National Human Rights Commission regarding torture correctly. 2 - At the end of the session the phase III part I MBBS student must be able to -Discuss the Protocols of National Human Rights Commission regarding torture correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM3.32	Demonstrate the professionalism while	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the	A and C	SH	Y	Lecture, small group discussion	OPSE/viva voce

	preparing reports in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences	professionalism while preparing reports in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences correctly.					
FM3.33	Must be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults psychological consultation, rehabilitation	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the professionalism while dealing with victims of torture and human right violations, sexual Assaults psychological consultation, rehabilitation correctly.	A and C	K/KH /SH	Y	Lecture, small group discussion	Written/ viva voce
	Topic: Medical Jurisprudence (Medical Law and ethics)	Number of competencies: (30)					
FM 4.1	Describe Medical	1 - At the end of the session the	K	K/KH	Y	Lecture,	Written/

	Ethics and explain its historical emergence	<p>phase III part I MBBS student must be able to - Describe Medical Ethics correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss historical emergence of Medical Ethics correctly.</p>				small group discussion	viva voce
FM4.2	Describe the Code of Medical Ethics 2002 conduct, Etiquette and Ethics in medical practice and unethical practices & the dichotomy	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of Medical Ethics 2002 conduct in medical practice correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of Medical Ethics 2002 conduct in unethical practices correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of Medical Ethics 2002 Etiquette in medical practice correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of Medical Ethics 2002 Etiquette in unethical practices correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>Medical Ethics 2002 Ethics in medical practice correctly .</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe the Code of Medical Ethics 2002 Ethics in unethical practices correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss dichotomy correctly.</p>					
FM4.3	Describe the functions and role of Medical Council of India and State Medical Councils	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe functions of Medical Council of India correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe role of Medical Council of India correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe functions of State Medical Councils correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe role of State Medical Councils correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.4	Describe the Indian Medical Register	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the Indian Medical Register correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

FM4.5	Rights/privileges of a medical practitioner, Penal erasure, infamous conduct, disciplinary Committee, disciplinary procedures, warning notice and penal erasure	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe Rights correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe privileges of a medical practitioner correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss penal erasure correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss infamous conduct correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss disciplinary Committee correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss disciplinary procedures correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss warning notice correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Discuss penal erasure correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
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FM 4.6	Describe the Laws in Relation to medical practice and the duties of a medical practitioner towards patients and society	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the Laws in Relation to medical practice correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe the duties of a medical practitioner towards patients and society correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.7	Describe and discuss the ethics related to HIV patients	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss the ethics related to HIV patients correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.8	Describe the Consumer Protection Act-1986 (Medical Indemnity Insurance, Civil Litigations and Compensations), Workman's Compensation Act & ESI Act	1 - At the end of the session the phase III part I MBBS student must be able to - Describe Consumer Protection Act-1986 correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe Workman's Compensation Act correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe ESI Act correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM 4.9	Describe the medico-legal issues in relation	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the medico-	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	to family violence, violation of human rights, NHRC and doctors	legal issues in relation to family Violence correctly . 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss violation of human rights correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss NHRC and doctors correctly.					
FM4.10	Describe communication between doctors, public and media	1 - At the end of the session the phase III part I MBBS student must be able to - Describe communication between doctors, public and media correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.11	Describe and discuss euthanasia	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss euthanasia correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.12	Discuss legal and ethical issues in relation to stem cell research	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss legal issues in relation to stem cell research correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Discuss ethical issues in relation to stem cell research correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM 4.13	Describe social aspects of Medico-	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva voce

	<p>legal cases with respect to victims of assault, rape, attempted suicide, homicide, domestic violence, dowry-related cases</p>	<p>be able to - Describe social aspects of Medico-legal cases with respect to victims of assault correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe social aspects of Medico-legal cases with respect to victims of rape correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe social aspects of Medico-legal cases with respect to victims of attempted suicide correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe social aspects of Medico-legal cases with respect to victims of homicide correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe social aspects of Medico-legal cases with respect to victims of domestic violence correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe social aspects of Medico-legal cases with respect to victims of dowry- related</p>				<p>discussion</p>	
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		cases correctly.					
FM4.14	Describe & discuss the challenges in managing medico-legal cases including development of skills in relationship management – Human behavior, communication skills, conflict resolution techniques	1 - At the end of the session the phase III part I MBBS student must be able to -Discuss the challenges in managing medico-legal cases including development of skills in relationship management (Human behavior, communication skills, conflict resolution techniques) correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.15	Describe the principles of handling pressure – definition, types, causes, sources and skills for managing the pressure while dealing with medico-legal cases by the doctor	1 - At the end of the session the phase III part I MBBS student must be able to - Define pressure correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Classify pressure correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe the causes of pressure correctly. 4 - At the end of the session the phase III part I MBBS student	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		must be able to - Describe the sources of pressure correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Describe the skills for managing the pressure while dealing with medico-legal cases by the doctor correctly.					
FM4.16	Describe and discuss Bioethics	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Bioethics correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM 4.17	Describe and discuss ethical Principles: Respect for autonomy, non-maleficence, beneficence & justice	1 - At the end of the session the phase III part I MBBS student must be able to - discuss ethical Principles: in Respect for autonomy correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - discuss ethical Principles: in Respect for non-maleficence correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - discuss ethical Principles: in Respect for beneficence correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - discuss ethical Principles: in Respect to justice correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.18	Describe and discuss medical	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva voce

	<p>negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability , Res Ipsa Loquitur, prevention of medical negligence and defenses in medical negligence litigations</p>	<p>be able to - Define Medical negligence correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Classify Medical negligence correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss civil negligence. correctly 4 - At the end of the session the phase III part I MBBS student must be able to - Discuss criminal negligence correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss contributory negligence correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Discuss corporate negligence correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss vicarious liability correctly. 8 - At the end of the session the phase III part I MBBS student must be able to - Discuss Res Ipsa Loquitur correctly. 9 - At the end of the session the</p>				<p>discussion</p>	
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		<p>phase III part I MBBS student must be able to - Discuss prevention of medical negligence correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss defenses in medical negligence litigations correctly.</p>					
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 alcohol intoxication</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Consent correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Classify Consent correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of consent correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the ingredients of informed consent correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the rules of consent.(relation to age, emergency situation, mental illness and alcohol intoxication) correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.20	Describe therapeutic	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva voce

	privilege, Malingering, Therapeutic Misadventure, Professional Secrecy, Human Experimentation	<p>be able to - Describe therapeutic privilege correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe Malingering correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe Therapeutic Misadventure correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe Professional Secrecy correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe Human Experimentation correctly.</p>				discussion	
FM 4.21	Describe Products liability and Medical Indemnity Insurance	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Products liability correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Medical Indemnity Insurance correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.22	Explain Oath – Hippocrates, Charaka and Sushruta and procedure for	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe Hippocrates Oath correctly.</p> <p>2 - At the end of the session the</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	administration of Oath.	<p>phase III part I MBBS student must be able to - Describe Charaka Oath correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe Sushruta Oath correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss procedure for administration of Oath correctly.</p>					
FM4.23	Describe the modified Declaration of Geneva and its relevance	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the modified Declaration of Geneva correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the modified Declaration of Geneva relevance correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.24	Enumerate rights, privileges and duties of a Registered Medical Practitioner. Discuss doctor - patient relationship: professional secrecy and privileged	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Enumerate rights of Registered Medical Practitioner correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Enumerate privileges of Registered Medical Practitioner correctly.</p> <p>3 - At the end of the session the</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	communication	<p>phase III part I MBBS student must be able to - Enumerate duties of Registered Medical Practitioner correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss doctor - patient relationship correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss professional secrecy correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss privileged communication correctly.</p>					
FM 4.25	Clinical research & Ethics Discuss human experimentation including clinical trials	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss human experimentation including clinical trials correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM4.26	Discuss the constitution and functions of ethical committees	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss constitution of ethical committees correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss functions correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

FM4.27		<p>Describe and discuss Ethical Guidelines for Biomedical Research on Human Subjects & Animals correctly.</p> <p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Ethical Guidelines for Biomedical Research on Human Subjects correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Ethical Guidelines for Biomedical Research on Animals Subjects correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
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>1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate respect to laws relating to medical practice correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate Ethical code of conduct to medical practice by Medical Council of India correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate rules prescribed by Medical Council of India from time to time correctly.</p>	A and C	SH	Y	Lecture, small group discussion	Written/ viva voce

		4 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate regulations prescribed by Medical Council of India from time to time correctly.					
FM 4.29	Demonstrate ability to communicate appropriately with media, public and doctors	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to communicate appropriately with Media correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to communicate appropriately with Public correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to communicate appropriately with Doctors correctly.	A and C	KH/S H	Y	Lecture, small group discussion	Written/ viva voce
FM4.30	Demonstrate ability to conduct research in pursuance to guidelines or research ethics	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to conduct research in pursuance to guidelines or research ethics correctly.	A and C	KH/S H	Y	Lecture, small group discussion	Written/ viva voce
Topic: Forensic Psychiatry		Number of competencies: (06)					
FM5.1	Classify common mental illnesses including	1 - At the end of the session the phase III part I MBBS student must be able to - Define Psychiatry	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	post - traumatic stress disorder (PTSD)	correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Classify common mental illnesses including post -traumatic stress disorder (PTSD) correctly.					
FM5.2	Define, classify and describe delusions, Psychiatry hallucinations, illusion, lucid interval and obsessions with exemplification	1 - At the end of the session the phase III part I MBBS student must be able to - Define delusions correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Define hallucinations correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Define illusion correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Define lucid interval correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Define obsessions exemplification correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - classify delusions correctly. 7 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>be able to - classify hallucinations correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - classify illusion correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - classify lucid interval correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - classify obsessions exemplification correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - describe various types of delusions correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - describe various types of hallucinations correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - describe various types of illusion correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - describe various types of lucid interval correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must</p>					
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		be able to - describe various types of obsessions exemplification correctly.					
FM 5.3	Describe Civil and criminal responsibilities of a mentally ill person	1 - At the end of the session the phase III part I MBBS student must be able to - Describe Civil responsibilities of Insane correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe criminal responsibilities of Insane correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM5.4	Differentiate between true insanity from feigned insanity	1 - At the end of the session the phase III part I MBBS student must be able to - Differentiate between true insanity from feigned insanity correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM5.5	Describe & discuss Delirium tremens	1 - At the end of the session the phase III part I MBBS student must be able to - discuss Delirium tremens correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM5.6	Describe the Indian Mental Health Act, 1987 with special reference to admission, care and discharge of a mentally ill person	1 - At the end of the session the phase III part I MBBS student should be able to - Describe the Indian Mental Health Act, 1987 with special reference to admission, care and discharge of a mentally ill person correctly.	K	K/KH	N	Lecture, small group discussion	Written/ viva voce
Topic: Forensic Laboratory		Number of competencies: (03)					

investigation in medical legal practice							
FM6.1	Describe different types of specimen and tissues to be collected both in the living and dead: Body fluids (blood, urine, semen, faeces saliva), Skin, Nails, tooth pulp, vaginal smear, viscera, skull, specimen for histo - pathological examination, blood grouping, HLA Typing and DNA Fingerprinting. Describe Locard's Exchange Principle	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of specimen to be collected in living correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of specimen to be collected in dead correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of tissues to be collected in living correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe different types of tissues to be collected in dead correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe specimen for histo - pathological examination correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe specimen for blood grouping correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		<p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe specimen for HLA Typing correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Describe specimen for DNA Fingerprinting correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Describe Locard's Exchange Principle correctly.</p>					
FM6.2	Describe the methods of sample collection, preservation, labelling, dispatch, and interpretation of reports	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the methods of sample collection correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the methods of sample preservation correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe the methods of sample labelling correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the methods of sample dispatch correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the methods of</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

		sample interpretation of reports correctly.					
FM 6.3	Demonstrate professionalism while sending the biological or trace evidences to Forensic Science laboratory, specifying the required tests to be carried out, objectives of preservation of evidences sent for examination, personal discussions on interpretation of findings	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate professionalism while sending the biological or trace evidences to Forensic Science laboratory correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the required tests to be carried out biological or trace evidences correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the objectives of preservation of evidences sent for examination correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the personal discussions on interpretation of findings correctly.</p>	A and C	KH/S H	Y	Lecture, small group discussion, DOAP session	viva voce/OSPE
	Topic: Emerging technologies in Forensic Medicine	Number of competencies: (01)					
FM7.1	Enumerate the indications and	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva voce

	<p>describe the principles 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 	<p>be able to - Enumerate the indications for DNA profiling correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Facial reconstruction correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Polygraph (Lie Detector) correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Narcoanalysis correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Brain Mapping correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Digital autopsy correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the</p>				discussion	
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		<p>indications for Virtual Autopsy correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Enumerate the indications for Imaging technologies correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of DNA profiling correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Facial reconstruction correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Polygraph (Lie Detector) correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Narcoanalysis correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Brain Mapping correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Digital autopsy correctly.</p>					
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		<p>15 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Virtual Autopsy correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - describe the principles of Imaging technologies correctly.</p> <p>17 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for DNA profiling correctly.</p> <p>18 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Facial reconstruction correctly.</p> <p>19 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Polygraph (Lie Detector) correctly.</p> <p>20 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Narcoanalysis correctly.</p> <p>21 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Brain Mapping correctly.</p> <p>22 - At the end of the session the phase III part I MBBS student must</p>					
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		<p>be able to - describe appropriate use for Digital autopsy correctly.</p> <p>23 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Virtual Autopsy correctly.</p> <p>24 - At the end of the session the phase III part I MBBS student must be able to - describe appropriate use for Imaging technologies correctly.</p>					
Topic: Toxicology: General Toxicology		Number of competencies: (10)					
FM8.1	Describe the history of Toxicology	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the history of Toxicology correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM8.2	Define the terms Toxicology, Forensic Toxicology, Clinical Toxicology and poison	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Define Toxicology correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Define Forensic Toxicology correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Define Clinical Toxicology correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Define poison correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

FM 8.3	Describe the various types of poisons, Toxicokinetics, and Toxicodynamics and diagnosis of poisoning in living and dead	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Classify poison correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe Toxicokinetics correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe Toxicodynamics correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe the diagnosis of poisoning in living correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Describe the diagnosis of poisoning in dead correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM8.4	Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM8.5	Describe Medico - legal autopsy in cases of poisoning including	1 - At the end of the session the phase III part I MBBS student must be able to - Describe Medico - legal autopsy in cases of poisoning	K	K/KH	Y	Lecture, small group discussion, autopsy,	Written/ viva voce/OPS E

	preservation and dispatch of viscera for chemical analysis	including preservation correctly.				DOAP session	
FM8.6	Describe the general symptoms, principles of diagnosis and management of common poisons encountered in India	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the general symptoms, of common poisons encountered in India correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe the principles of diagnosis common poisons encountered in India correctly.	K	K/KH	Y	Lecture, small group discussion, autopsy, DOAP session	Written/ viva voce/OPS E
FM 8.7	Describe simple Bedside clinic tests to detect poison/drug in a patient's body fluids	1 - At the end of the session the phase III part I MBBS student must be able to - Describe simple Bedside clinic tests to detect poison/drug in a patient's body fluids correctly.	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/OSCE
FM8.8	Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy,	1 - At the end of the session the phase III part I MBBS student must be able to - Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination	K	K/KH	Y	Lecture, small group discussion, bedside clinic, DOAP session	Written/ viva voce/ OSCE

	procedures of enhanced elimination	correctly.					
FM8.9	Describe the procedure of intimation of suspicious cases or actual cases of foul play to the police, maintenance of records, preservation and dispatch of relevant samples for laboratory analysis.	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the procedure of intimation of suspicious cases or actual cases of foul play to the police correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the maintenance of records in suspicious cases or actual cases correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe the preservation of relevant samples in suspicious cases or actual cases for laboratory analysis correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss dispatch of relevant samples for laboratory analysis correctly.</p>	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM8.10	Describe the general principles of Analytical Toxicology and give a brief	1 - At the end of the session the phase III part I MBBS student must be able to - Describe the general principles of Analytical Toxicology correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce

	<p>description of analytical methods available for toxicological analysis: Chromatography – Thin Layer Chromatography, Gas Chromatography , Liquid Chromatography and Atomic Absorption Spectroscopy</p>	<p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the description of analytical methods for toxicological analysis correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Chromatography correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Classify Chromatography correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss Thin Layer Chromatography correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Discuss Gas Chromatography correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss Liquid Chromatography correctly. 8 - At the end of the session the phase III part I MBBS student must be able to - Discuss Atomic Absorption Spectroscopy correctly.</p>					
<p>Topic: Toxicology : Chemical Toxicology</p>		<p>Number of competencies: (06)</p>					

FM9.1	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to: Caustics Inorganic – sulphuric, nitric, and hydrochloric acids; Organic Carbolioic Acid (phenol), Oxalic and acetylsalicylic acids	<p>1 . At the end of the session the phase III part I MBBS student must be able to - Describe General Principles in treatment of poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe basic methodologies correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Describe sulphuric Acid poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Describe nitric Acid poisoning with special emphasis to general principles, basic methodologies(decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE
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		<p>be able to - Describe hydrochloric Acid poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Describe Carbolic Acid poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Describe Oxalic Acid poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must</p>					
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		be able to - Describe acetylsalicylic acid poisoning. with special emphasis to general principles, basic methodologies(decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such correctly.					
FM9.2	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Phosphorus, Iodine, Barium	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Phosphorus poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhance delimitation) in treatment of such poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Iodine poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Barium</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE

		poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.					
FM 9.3	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to Arsenic, lead, mercury, copper, iron, cadmium and thallium	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Arsenic poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss lead poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss mercury poisoning. with special emphasis to</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE

		<p>general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss copper poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss iron poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss cadmium poisoning. with special emphasis to general principles, basic</p>					
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		<p>methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss thallium poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p>					
FM9.4	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Ethanol poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss methanol</p>	K	K/KH	Y	Lecture, small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE

	regard to Ethanol, methanol, ethylene glycol	poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Discuss ethylene glycol poisoning. with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.					
FM9.5	Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to	1 - At the end of the session the phase III part I MBBS student must be able to - Discuss Organophosphates poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly. 2 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group discussion, bedside clinic, autopsy, DOAP session	Written/ viva voce/ OSCE

	<p>Organophosphates , Carbamates, Organochlorines, Pyrethroids, Paraquat, Aluminium and Zinc phosphide</p>	<p>be able to - Discuss Carbamates poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Organochlorines poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss Pyrethroids poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss Paraquat</p>					
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		<p>poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss Aluminium phosphide poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - Discuss Zinc phosphide poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p>					
FM9.6	Describe General Principles and	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva

	<p>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>be able to - Discuss Ammonia poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss carbon monoxide poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss hydrogen cyanide poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Discuss methyl poisoning</p>				<p>discussion, bedside clinic, autopsy, DOAP session</p>	<p>voce/ OSCE</p>
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		<p>with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Discuss isocyanate poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Discuss tear gases poisoning with special emphasis to general principles, basic methodologies(decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p>					
Topic: Toxicology : Pharmaceutical Toxicology		Number of competencies: (01)					
FM10.1	Describe General Principles and	1 - At the end of the session the phase III part I MBBS student must	K	K/KH	Y	Lecture, small group	Written/ viva

	<p>basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination with regard to:</p> <p>i. Antipyretics – Paracetamol, Salicylates</p> <p>ii Anti - Infectives (Common antibiotics - an overview)</p> <p>iii Neuropsychotoxicology Barbiturates, benzodiazepins phenytoin, lithium, haloperidol, neuroleptics, tricyclics</p> <p>iv. Narcotic Analgesics, Anaesthetics, and Muscle Relaxants</p>	<p>be able to - Discuss Paracetamol poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Discuss Salicylates poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Discuss Anti - Infectives (Common antibiotics) poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must</p>				<p>discussion, bedside clinic, autopsy, DOAP session</p>	<p>voce/ OSCE</p>
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	<p>v. Cardiovascular Toxicology Cardiotoxic plants - oleander, odollam, aconite, digitalis vi. Gastro - Intestinal and Endocrinal Drugs - Insulin</p>	<p>be able to - Discuss Barbiturates poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Discuss benzodiazepins poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Discuss phenytoin poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss oleander</p>					
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		<p>poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning.</p> <p>be able to - Discuss lithium poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - Discuss haloperidol poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss neuroleptics poisoning with special emphasis to general principles, basic methodologies (decontamination,</p>					
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		<p>supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss tricyclics poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Discuss Narcotic Analgesics poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - Discuss Anaesthetics poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote</p>					
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		<p>therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - Discuss Muscle Relaxants correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - Discuss oleander poisoning with special emphasis correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must be able to - Discuss odollam poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - Discuss aconite poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such</p>					
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		<p>poisoning correctly.</p> <p>17 - At the end of the session the phase III part I MBBS student must be able to - Discuss digitalis poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhance delimitation) in treatment of such poisoning correctly.</p> <p>18 - At the end of the session the phase III part I MBBS student must be able to - Discuss Insulin overdose poisoning with special emphasis to general principles, basic methodologies (decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination) in treatment of such poisoning correctly.</p>					
Topic: Toxicology : Biotoxicology		Number of competencies: (01)					
FM 11.1	Describe features and management of Snake bite, scorpion sting, bee and wasp sting and spider bite	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Classify Snakes correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Describe the features of common venomous Snakes correctly.</p> <p>3 - At the end of the session the</p>	K	K/KH	Y	Lecture, small group discussion, autopsy	Written/ viva voce

		<p>phase III part I MBBS student must be able to -Differentiate between venomous and non venomous Snakes correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - describe the signs & Symptoms of various venomous Snake bites correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - describe the signs & Symptoms of various scorpion sting correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - describe the signs & Symptoms of various bee and wasp sting correctly.</p> <p>7 - At the end of the session the phase III part I MBBS student must be able to - describe the signs & Symptoms of various spider bite correctly.</p> <p>8 - At the end of the session the phase III part I MBBS student must be able to - discuss Diagnosis of snake bite correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - discuss the management</p>					
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		<p>of snake bite correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - discuss the management of scorpion sting correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - discuss the management of bee and wasp sting correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - discuss the management of spider bite correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - discuss post mortem findings of snake bite deaths correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - discuss post mortem findings of scorpion sting correctly.</p> <p>15 - At the end of the session the phase III part I MBBS student must be able to - discuss post mortem findings of bee and wasp sting correctly.</p> <p>16 - At the end of the session the phase III part I MBBS student must be able to - discuss post mortem findings of spider bite correctly.</p>					
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Topic: Toxicology : Sociomedical Toxicology		Number of competencies: (01)						
FM12.1	Describe features and management of abuse/poisoning with following camicals: Tobacco, cannabis, amphetamines, cocaine, hallucinogens, designer drugs & solvent	1 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of Tobacco correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of cannabis correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of amphetamines correctly. 4 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of cocaine correctly. 5 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of hallucinogens correctly. 6 - At the end of the session the phase III part I MBBS student must be able to - Describe clinical features of designer drugs & solvent correctly. 7 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of Tobacco poisoning correctly. 8 - At the end of the session the	K	K/KH	Y	Lecture, small group discussion, autopsy	Written/ viva voce	

		<p>phase III part I MBBS student must be able to - Discuss the management of cannabis poisoning correctly.</p> <p>9 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of amphetamines poisoning correctly.</p> <p>10 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of cocaine poisoning correctly.</p> <p>11 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of hallucinogens poisoning correctly.</p> <p>12 - At the end of the session the phase III part I MBBS student must be able to - Discuss the management of designer drugs & solvent poisoning correctly.</p> <p>13 - At the end of the session the phase III part I MBBS student must be able to - Describe hallucinogens correctly.</p> <p>14 - At the end of the session the phase III part I MBBS student must be able to - Describe designer drugs & solvent correctly.</p>					
	Topic: Skills in	Number of competencies: (22)					

	Forensic Medicine & Toxicology						
FM13.1	Describe toxic pollution of environment, its medico - legal aspects & toxic hazards of occupation and industry	1 - At the end of the session the phase III part I MBBS student must be able to - Describe toxic pollution of environment correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Describe its medico - legal aspects correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - Describe toxic hazards of occupation and industry correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
FM13.2	Describe medico - legal aspects of poisoning in Workman's Compensation Act	1 - At the end of the session the phase III part I MBBS student must be able to - Describe medico - legal aspects of poisoning in Workman's Compensation Act correctly.	K	K/KH	Y	Lecture, small group discussion	Written/ viva voce
	Topic: Skills in Forensic Medicine & Toxicology	Number of competencies: (22)					
FM14.1	Examine and prepare Medico - legal report of an injured person with different etiologies in a simulated/ supervised	1 - At the end of the session the phase III part I MBBS student must be able to - Examine Medico - legal report of an injured person with different etiologies in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must	S	SH/P	Y	Bedside clinic (ward/ casualty), Small group discussion	Log book/ Skill station/ Viva voce / OSCE

	environment	be able to - prepare Medico - legal report of an injured person with different etiologies in a simulated/ supervised environment correctly.					
FM14.2	Demonstrate the correct technique of clinical examination in a suspected case of poisoning & prepare medico - legal report in a simulated/ supervised environment	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the correct technique of clinical examination in a suspected case of poisoning correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - prepare medico - legal report in a simulated/ supervised environment correctly.	S	SH	Y	Bedside clinic (ward/casualty), Small Group discussion	Log book/ Skill station/ Viva voce / OSCE
FM14.3	Assist and demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination	1 - At the end of the session the phase III part I MBBS student must be able to - Assist the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical	S	SH	Y	Bedside clinic, Small Group discussion, DOAP session	Skill lab/ Viva voce

		examination correctly.					
FM14.4	Conduct and prepare report of estimation of age of a person for medico-legal and other purposes & prepare medico - legal report in a simulated/ supervised environment	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Conduct estimation of age of a person for medico-legal and other purposes in a simulated/ supervised environment correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - prepare report of estimation of age of a person for medico-legal and other purposes in a simulated/ supervised environment correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - prepare medico - legal report in a simulated/ supervised environment correctly.</p>	S	KH	Y	Small group discussion, Demonstration	Log book/ Skill station/ Viva voce / OSCE
FM14.5	Conduct & prepare post - mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Conduct post - mortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Prepare post - mortem examination report of varied etiologies (at least 15) in a</p>	S	KH	Y	Small group discussion, Autopsy, DOAP session	Log book/ Skill station/ Viva voce / OSCE

		simulated/ supervised environment correctly.					
FM14.6	Demonstrate and interpret medico - legal aspects from examination of hair (human & animal) fibre, semen & other biological fluids	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate medico - legal aspects from examination of hair (human & animal) fibre correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate medico - legal aspects from examination of semen correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate medico - legal aspects from examination of other biological fluids correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - interpret medico - legal aspects from examination of hair (human & animal) fibre correctly.</p> <p>5 - At the end of the session the phase III part I MBBS student must be able to - Interpret medico - legal aspects from examination of semen correctly.</p> <p>6 - At the end of the session the phase III part I MBBS student must be able to - Interpret medico - legal</p>	S	KH	Y	Small group discussion, Lecture	Log book/ Skill station/ Viva voce / OSCE

		aspects from examination of other biological fluids correctly.					
FM14.7	Demonstrate & identify that a particular stain is blood and identify the species of its origin	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate that a particular stain is blood correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Identify that a particular stain is blood correctly. 3 - At the end of the session the phase III part I MBBS student must be able to - identify the species of its origin correctly.	S	KH	Y	Small group discussion, Lecture	Log book/Skill station/Vi va voce
FM14.8	Demonstrate the correct technique to perform and identify ABO & RH blood group of a person	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate the correct technique to perform ABO & RH blood group of a person correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - identify ABO & RH blood group of a person correctly.	S	SH	Y	Small group discussion, DOAP session	Log book/Skill station/Vi va voce
FM14.9	Demonstrate examination of & present an opinion after examination of skeletal remains in a simulated/ supervised	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate examination of skeletal remains in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must	S	SH	Y	Small group discussion, DOAP session	Log book/Skill station/Vi va voce

	environment	be able to - present an opinion after examination of skeletal remains in a simulated/ supervised environment correctly.					
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	1 - At the end of the session the phase III part I MBBS student must be able to - Demonstrate ability to identify from specimens obtained from various types of injuries e.g. contusion, abrasion, laceration, firearm wounds, burns, head injury and fracture of bone correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - 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 correctly.	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, gada, gupta, farsha, gupta, farsha,	1 - At the end of the session the phase III part I MBBS student must be able to - To identify weapons of medicolegal importance which are commonly used e.g. lathi, knife, kripa, axe, gada, gupta, farsha, dagger, bhalla, razor & stick correctly. 2 - At the end of the session the phase III part I MBBS student must	S	KH	Y	Small group discussion, DOAP session	Log book/Skill station/ Viva voce/ OSPE

	<p>dagger, bhalla, razor & stick. Able to prepare report of the weapons brought by police and to give opinion regarding injuries present on the person as described in injury report/ PM report so as to connect weapon with the injuries. (Prepare injury report/ PM report must be provided to connect the weapon with the injuries)</p>	<p>be able to - describe weapons of medicolegal importance which are commonly used e.g. lathi, knife, kripan, axe, gandasa, gupti, farsha, dagger, bhalla, razor & stick correctly.</p> <p>3 - At the end of the session the phase III part I MBBS student must be able to - Able to prepare report of the weapons brought by police correctly.</p> <p>4 - At the end of the session the phase III part I MBBS student must be able to - Record 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) correctly.</p>					
FM14.12	<p>Describe the contents and structure of bullet and cartridges used & to provide medicolegal interpretation from these</p>	<p>1 - At the end of the session the phase III part I MBBS student must be able to - Describe the contents of bullet /cartridges correctly.</p> <p>2 - At the end of the session the phase III part I MBBS student must be able to - structure of bullet /cartridges correctly.</p>	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/Viva voce

		3 - At the end of the session the phase III part I MBBS student must be able to - medico-legal interpretation from these correctly.					
FM14.13	To estimate the age of foetus by post-mortem examination	1 - At the end of the session the phase III part I MBBS student must be able to - estimate the age of foetus by post-mortem examination correctly.	S	KH	Y	Small group discussion, DOAP session	Theory/ Clinical assessment/ Viva voce
FM14.14	To examine & prepare report of an alleged accused in rape/unnatural sexual offence in a simulated/ supervised environment	1 - At the end of the session the phase III part I MBBS student must be able to - Examine an alleged accused in rape/ unnatural sexual offence in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Prepare report of an alleged accused in rape/unnatural sexual offence in a simulated/ supervised environment correctly.	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE
FM14.15	To examine & prepare medico - legal report of a victim of sexual offence/unnatural sexual offence in a simulated/ supervised environment	1 - At the end of the session the phase III part I MBBS student must be able to - examine a victim of sexual offence/ unnatural sexual offence in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Prepare medico - legal report of a victim of sexual offence/	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE

		unnatural sexual offence in a simulated/ supervised environment correctly.					
FM14.16	To examine & prepare medico - legal report of drunk person in a simulated/ supervised environment	1 - At the end of the session the phase III part I MBBS student must be able to - examine a drunk person in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - prepare medico - legal report of drunk person in a simulated/ supervised environment correctly.	S	KH	Y	Small group discussion, Bed side clinic, DOAP session	Log book/ Skill station/ Viva voce / OSCE
FM14.17	To identify & draw medico - legal inference from common poisons e.g. dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, markingnut, oleander, Nuxvomica, abrus seeds, Snakes, capsicum, calotropis, lead	1 - At the end of the session the phase III part I MBBS student must be able to - Identify common poisons e.g. dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, markingnut, oleander, Nuxvomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds & tobacco correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Draw medico - legal inference from common poisons e.g. dhatura, castor, cannabis, opium, aconite coppersulphate, pesticides compounds, markingnut, oleander,	S	KH	Y	Small group discussion, DOAP session	Logbook/ viva voce

	compounds & tobacco.	Nuxvomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds & tobacco correctly.					
FM14.18	To examine & prepare medico - legal report of a person in police, judicial custody or referred by Court of Law and violation of human rights as requirement of NHRC, who has been brought for medical examination	1 - At the end of the session the phase III part I MBBS student must be able to - Examine a person in police, judicial custody or referred by Court of Law (violation of human rights as requirement of NHRC), who has been brought for medical examination correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Prepare medico - legal report of a person in police, judicial custody or referred by Court of Law (violation of human rights as requirement of NHRC), who has been brought for medical examination correctly.	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce / OSCE
FM14.19	To identify & prepare medico - legal inference from histo-pathological slides of Myocardial Infarction, pneumonitis, tuberculosis, brain infarct, liver	1 - At the end of the session the phase III part I MBBS student must be able to - Identify 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 correctly. 2 - At the end of the session the	S	KH	Y	Small group discussion, DOAP session	Log book/ Skill station/ Viva voce

	cirrhosis, brain haemorrhage, bone fracture, Pulmonary oedema, brain oedema, soot particles, diatoms & wound healing	phase III part I MBBS student must be able to - Prepare medico - legal inference from histopathological slides of Myocardial Infarction, pneumonitis, tuberculosis, brain infarct, liver cirrhosis, brain haemorrhage, bonefracture, Pulmonary oedema, brain oedema, soot particles, diatoms & wound healing correctly.					
FM14.20	To record and certify dying declaration in asimulated/ supervised environment	1 - At the end of the session the phase III part I MBBS student must be able to - Record dying declaration in a simulated/ supervised environment correctly. 2 - At the end of the session the phase III part I MBBS student must be able to - Certify dying declaration in a simulated/ supervised environment correctly.	S	KH	Y	Small group discussion, Role Play, Bed side clinic DOAP session	Log book/ Skill station/ Viva voce /OSCE