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Competency Based LOGBOOK for

FORENSIC MEDICINE AND TOXICOLOGY

for Second and Third Professional MBBS

As per the Competency Based Medical Education Curriculum (NMC)



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Section 1

Competency Assessment

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Competencies of Forensic Medicine Toxicology

S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
1.	General information	Write a correct cause of death certificate as per ICD 10 document. FM 1.11							
2.	Skills in forensic medicine and toxicology	Examine and prepare Medicolegal report of an injured person with different etiologies in a simulated/ supervised environment. FM 14.1							
3.	Skills in forensic medicine and toxicology	Demonstrate the correct technique of clinical examination in a suspected case of poisoning and prepare medicolegal report in a simulated/ supervised environment. FM 14.2							
4.	Skills in forensic medicine and toxicology	Assist and demonstrate the proper technique in collecting, preserving and dispatch of the exhibits in a suspected case of poisoning, along with clinical examination. FM 14.3							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
5.	Skills in forensic medicine and toxicology	Conduct and prepare report of estimation of age of a person for medico-legal and other purposes and prepare medico-legal report in a simulated/ supervised environment. FM 14.4							
6.	Skills in forensic medicine and toxicology	Conduct and prepare postmortem examination report of varied etiologies (at least 15) in a simulated/ supervised environment. FM 14.5							
7.	Skills in forensic medicine and toxicology	Demonstrate and interpret medicolegal aspects from examination of hair (human and animal) fiber, semen and other biological fluids. FM 14.6							
8.	Skills in forensic medicine and toxicology	Demonstrate and identify that a particular stain is blood and identify the species of its origin. FM 14.7							
9.	Skills in forensic medicine and toxicology	Demonstrate the correct technique to perform and identify ABO and RH blood group of a person. FM 14.8							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
10.	Skills in forensic medicine and toxicology	Demonstrate examination of and present an opinion after examination of skeletal remains in a simulated/ supervised environment. FM 14.9							
11.	Skills in forensic medicine and toxicology	Demonstrate ability to identify and 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. FM 14.10							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
12.	Skills in forensic medicine and toxicology	To identify and describe weapons of medicolegal importance which are commonly used, e.g., lathi, knife, kripan, axe, gandasa, gupti, farsha, dagger, bhalla, razor and 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). FM 14.11							
13.	Skills in forensic medicine and toxicology	Describe the contents and structure of bullet and cartridges used and to provide medicolegal interpretation from these. FM 14.12							
14.	Skills in forensic medicine and toxicology	To estimate the age of fetus by postmortem examination. FM 14.13							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
15.	Skills in forensic medicine and toxicology	To examine and prepare report of an alleged accused in rape/unnatural sexual offence in a simulated/ supervised environment. FM 14.14							
16.	Skills in forensic medicine and toxicology	To examine and prepare medico-legal report of a victim of sexual offence/ unnatural sexual offence in a simulated/ supervised environment. FM 14.15							
17.	Skills in forensic medicine and toxicology	To examine and prepare medico-legal report of drunk person in a simulated/ supervised environment. FM 14.16							
18.	Skills in forensic medicine and toxicology	To identify and draw medico-legal inference from common poisons, e.g., dhatura, castor, cannabis, opium, aconite copper sulphate, pesticides compounds, marking nut, oleander, Nux vomica, abrus seeds, Snakes, capsicum, calotropis, lead compounds and tobacco. FM 14.17							

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19.	Skills in forensic medicine and toxicology	To examine and prepare medicolegal 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. FM 14.18							
20.	Skills in forensic medicine and toxicology	To identify and prepare medicolegal inference from histopathological slides of Myocardial Infarction, pneumonitis, tuberculosis, brain infarct, liver cirrhosis, brain hemorrhage, bone fracture, Pulmonary oedema, brain oedema, soot particles, diatoms and wound healing. FM 14.19							
21.	Skills in forensic medicine and toxicology	To record and certify dying declaration in a simulated/ supervised Environment. FM 14.20							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
22.	Skills in forensic medicine and toxicology	To collect, preserve, seal and dispatch exhibits for DNA-finger printing using various formats of different laboratories. FM 14.21							
23.	Skills in forensic medicine and toxicology	To give expert medical/ medicolegal evidence in Court of law. FM 14.22							

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Ethics and Communication Skills in Forensic Medicine and Toxicology

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Demonstrate respect to the directions of courts, while appearing as witness for recording of evidence under oath or affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence. FM 2.29							
2.	Have knowledge/ awareness of latest decisions/ notifications/ resolutions/ circulars/standing orders related to medicolegal practice issued by Courts/Government authorities, etc. FM 2.30							
3.	Demonstrate ability to work in a team for conduction of medicolegal 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. FM 2.31							
4.	Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary. FM 2.32							

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5.	Demonstrate ability to use local resources whenever required like in mass disaster situations. FM 2.33							
6.	Demonstrate ability to use local resources whenever required like in mass disaster situations. FM 2.34							
7.	Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/ opinion, collection preservation and dispatch of biological or trace evidences. FM 2.35							
8.	Demonstrate the professionalism while preparing reports in medicolegal situations, interpretation of findings and making inference/ opinion, collection preservation and dispatch of biological or trace evidences. FM 3.32							
9.	Should be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults psychological consultation, rehabilitation. FM 3.33							
10.	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. FM 4.28							

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11.	Demonstrate ability to communicate appropriately with media, public and doctors. FM 4.29							
12.	Demonstrate ability to conduct research in pursuance to guidelines or research ethics. FM 4.30							
13.	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. FM 6.3							

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This logbook is designed as per the latest guidelines of logbook module shared by National Medical Commission (NMC) for implementation of competency-based curriculum and recommended to be followed by the MBBS students of the academic year 2023–2024. This logbook of Forensic Medicine and Toxicology (for 2nd and 3rd professional MBBS Part I) is a verified record of the progression of the learner documenting the acquisition of the requisite, knowledge, skills, attitude, and competencies. It is a tool that guides medical students by highlighting important clinical objectives promoting self-reflection, providing an opportunity to obtain feedback from preceptors, and the records can be used for formative and continuous assessment. Also, this logbook is an academic document that becomes both a snapshot of the progress of the learner and a prerequisite for progression to the next phase of learning or graduation from the course.

Salient Features

- Predefined skill competencies of Forensic Medicine and Toxicology given in the UG curriculum module: Vol. I for recording the activities conducted in a simple tabulated format based on NMC logbook module.
- Separate section is provided for competencies needed for certification in the subject.
- Separate empty table is provided for competencies needed by the department of Forensic Medicine and Toxicology.
- Separate section is provided for Alignment and Integration Topics (AITo), SDL, Simulation Based Learning, Postmortem Record Sheet, Humanities, and Extracurricular Activities with ample space for reflective writing of the subject.
- Separate section of AETCOM is dedicated for Forensic Medicine and Toxicology with modules and reflective writing space.
- Recording of the details of assignment and assessment.
- Separate sections are provided for attendance record of the students and attending extra classes for poor attendance.



Aditya Pratap Singh MBBS MS (Anatomy) is working as Professor and Head, Department of Anatomy at United Institute of Medical Sciences, Prayagraj, Uttar Pradesh, India. He has undergone training in Basic Course in Medical Education (BCME) and Advance Course in Medical Education (ACME). He is Medical Education Unit (MEU) Coordinator and member of various committees at his institute. He has published several research papers in national and international journals. He is passionate about teaching and research activities which helped him to compile this logbook.



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Printed in India

Available at all medical bookstores or buy online at www.ejaypee.com

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Medical Publishers (P) Ltd.
EMCA House, 23/23-B, Ansari Road,
Daryaganj, New Delhi - 110 002, INDIA
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ISBN 978-93-5696-551-5