

Doctor of Medicine (M.D.) Examination August - 2026

Forensic Medicine & Toxicology (Paper - I)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Right side numbers denotes marks of the question. (3) Write answers according to the question only. (4) Write legibly. No marks shall be given for the material that cannot be readable. (5) Draw table or diagram whenever it is needed. (6) Attempt all questions.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q. 1.** Describe the various blood group systems used in forensic medicine. Discuss their medico-legal applications. (20)
- Q. 2.** Describe the anatomy of the hyoid bone. Discuss the medico-legal significance of hyoid fractures in violent asphyxial deaths. Add a note on hyoid bone artefacts. (20)
- Q. 3.** Describe the layers, functions, and appendages of the skin. Discuss their medico-legal importance. (20)
- Q. 4.** Discuss the patho-physiology, laboratory findings, autopsy findings, and histopathology of disseminated intravascular coagulation (DIC). Describe the pathological features of maternal death in HELLP syndrome. (20)
- Q. 5.** **Write Short Notes.** (5×4=20)
- Age estimation from the symphyseal surface of the pubis.
 - Age estimation of myocardial infarction.
 - Embalming and preservation of museum specimens.
 - Post-mortem biochemistry of cerebrospinal fluid (CSF).
 - Psychological autopsy in forensic medicine.

Doctor of Medicine - Examination August - 2026
Forensic Medicine & Toxicology (Paper - II)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Right side numbers denotes marks of the question. (3) Write answers according to the question only. (4) Write legibly. No marks shall be given for the material that cannot be readable. (5) Draw table or diagram whenever it is needed. (6) Attempt all questions.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q. 1.** Describe the injuries associated with falls from a height (>12 feet). Discuss how to differentiate accidental, suicidal, and homicidal falls. (20)
- Q. 2.** Discuss the role of a One Stop Centre (OSC) in the management of survivors of sexual assault. Explain the importance of a multidisciplinary approach. (20)
- Q. 3.** Discuss the ethical principles of consent and their limitations. Explain the medico-legal issues related to consent and privacy in medical photography. (20)
- Q. 4.** Classify euthanasia. Discuss the Aruna Shanbaug case and its significance in the evolution of euthanasia in India. (20)
- Q. 5.** **Write Short Notes** (5×4=20)
- Non-accidental injuries in children.
 - Video conferencing for recording evidence.
 - Medico-legal issues in critical care.
 - Aggravated sexual assault under the POCSO Act, 2012.
 - Ethical and legal issues in blood transfusion.



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Doctor Of Medicine Examination August - 2026

Forensic Medicine (Paper - III)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Right side numbers denotes marks of the question.
- (3) Write answers according to the question only.
- (4) Write legibly. No marks shall be given for the material that cannot be readable.
- (5) Draw table or diagram whenever it is needed.
- (6) Attempt all questions.

Seat No.:

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Student's Signature

- Q.1.** Describe the autopsy and ancillary investigations in an alleged custodial death. Discuss the patho-physiology of traumatic rhabdomyolysis. (20)
- Q.2.** Classify the various types of embolism. Discuss the etiology, pathogenesis, and autopsy diagnosis of air embolism. (20)
- Q.3.** Discuss the role of radiological examination of medicolegal practice with help of examples. (20)
- Q.4.** Describe the signs, symptoms, management and autopsy findings in a case of Sulphuric acid (H₂SO₄) poisoning. Add a note on Acid Attack and its legal aspect in the present scenario in India. (20)
- Q.5.** **Write Short Notes.** (5×4=20)
- a) Bedside tests for common poisons.
 - b) Nano-antidotes in poisoning.
 - c) Bile analysis in forensic toxicology.
 - d) Toxicology of skeletonized remains.
 - e) Uses of DNA fingerprinting in New born baby swapping

RAN-2406120401010504
Doctor of Medicine (Forensic Medicine & Toxicology) Examination August - 2026
Paper - IV
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Right side numbers denotes marks of the question.
- (3) Write answers according to the question only.
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- (5) Draw table or diagram whenever it is needed.
- (6) Attempt all questions.

Seat No.:

Student's Signature

- Que:1.** Define CBRN-E Forensics. Discuss bioterrorism and its forensic significance. **(20)**
- Que:2.** Compare Section 22 BNS with the McNaughten Rules, with suitable illustrations. **(20)**
- Que:3.** Discuss ethical and legal aspects of the procedure of Narcoanalysis, as a tool for crime investigation. **(20)**
- Que:4.** Discuss the role of genetic genealogy as an emerging technology in forensic science. **(20)**
- Que:5.** **Write Short Notes.** **(5 × 4 = 20)**
- a) Necrobiome and estimation of time since death.
 - b) Somnambulism and criminal responsibility.
 - c) Medico-legal aspects of telemedicine.
 - d) Forensic science in anti-doping.
 - e) Bloom's theory in forensic psychiatry.