

Aug 2026

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

**MD FORENSIC MEDICINE – PAPER - I
QP CODE: 5025**

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 35-year-old man is found unconscious in a closed room with a burning charcoal stove and later dies. Discuss:
 - Carbon monoxide poisoning
 - Mechanism of toxicity
 - Postmortem findings
 - Laboratory diagnosis and medico-legal significance(20 Marks)
2. A charred body is recovered from a house destroyed by fire. Discuss:
 - Antemortem and postmortem burns
 - Autopsy procedure in burn deaths
 - Collection of evidence
 - Cause and manner of death(20 Marks)

Short Essay

6x10=60 Marks

3. A 19-year-old woman reports alleged sexual assault 24 hours after the incident. Discuss medico-legal examination and evidence collection.
4. A body is recovered from a canal. Discuss signs and medico-legal aspects of drowning.
5. An unknown body with suspected firearm injury is brought for autopsy. Discuss firearm wounds and their medico-legal significance.
6. Estimation of time since death.
7. Collection and preservation of viscera in suspected poisoning cases.
8. Identification using fingerprints and biometric methods.

19/08

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POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MD FORENSIC MEDICINE – PAPER - II

QP CODE: 5026

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 19-year-old college student is brought for age estimation in connection with a criminal case.
Discuss:

- Methods of age estimation
- Radiological examination
- Legal significance of age determination
- Preparation of expert opinion

(20 Marks)

2. A surgeon is accused of negligence following the death of a patient after a routine surgical procedure. Discuss:

- Medical negligence
- Standard of care
- Documentation and expert evidence
- Civil and criminal liability of doctors

(20 Marks)

Short Essay

6x10=60 Marks

3. A victim of road traffic accident is brought unconscious to the emergency department. Discuss consent in emergency situations.
4. A man alleges torture while in police custody. Discuss documentation of custodial injuries.
5. A healthcare worker sustains a needle-stick injury from an HIV-positive patient. Discuss medico-legal and occupational aspects.
6. Telemedicine: ethical and legal considerations.
7. Medical records: maintenance, ownership and legal importance.
8. Consumer Protection Act and medical profession.

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[Max. Marks: 100]

MD FORENSIC MEDICINE – PAPER - III

QP CODE: 5027

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 40-year-old man is found hanging in his residence under suspicious circumstances. Discuss:
 - Autopsy procedure in Asphyxial deaths
 - Pathology of hanging
 - Differentiation from ligature strangulation
 - Medico-legal interpretation of findings

(20 Marks)
2. Multiple persons are hospitalized after consuming contaminated food at a community feast, and two succumb. Discuss:
 - Investigation of food poisoning outbreaks
 - Collection and preservation of samples
 - Pathological findings
 - Toxicological analysis and medico-legal implications

(20 Marks)

Short Essay

6x10=60 Marks

3. A decomposed body is recovered from an isolated location. Discuss methods of identification in decomposed remains.
4. A farmer presents with poisoning following herbicide exposure. Discuss paraquat poisoning.
5. A victim dies following blunt force trauma to the head. Discuss forensic pathology of head injuries.
6. Exhumation: indications, procedure and medico-legal importance.
7. Forensic entomology and its role in death investigation.
8. Carbon monoxide poisoning: pathology and medico-legal significance.

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[Time: 3 Hours]

[Max. Marks: 100]

MD FORENSIC MEDICINE – PAPER - IV
QP CODE: 5028

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A highly mutilated body is recovered following a mass disaster. Conventional methods of identification fail. Discuss:
 - Recent advances in Disaster Victim Identification (DVI)
 - DNA technologies including Next Generation Sequencing (NGS)
 - Interdisciplinary role of forensic sciences
 - Challenges in mass fatality management

(20 Marks)
2. A 28-year-old software engineer develops severe depression and posts suicidal messages on social media before death. Discuss:
 - Recent advances in forensic psychiatry
 - Psychological autopsy
 - Digital evidence and behavioral profiling
 - Medico-legal implications in suicide investigation

(20 Marks)

Short Essay

6x10=60 Marks

3. A patient develops severe toxicity after recreational use of a synthetic drug purchased online. Discuss New Psychoactive Substances (NPS).
4. A crime scene investigation relies heavily on digital evidence recovered from mobile devices. Discuss digital forensics in criminal investigations.
5. A victim of assault is examined using advanced radiological techniques. Discuss Virtopsy and forensic imaging.
6. Artificial Intelligence and machine learning in forensic medicine.
7. Role of forensic odontology in modern identification.
8. Advances in toxicological screening and analytical techniques.