

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0223]

FEBRUARY 2023

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020 Batch onwards)

THIRD YEAR – (CBME)

PART - I

PAPER V – FORENSIC MEDICINE AND TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Define Malpraxis. Discuss the proof of Medical negligence and the defences available for Medical practitioner in a case of negligence.
2. A 40 year male farmer brought to the emergency department with history of restlessness, difficulty in breathing, muscle twitching and drooling of saliva. On examination patient is dyspnoeic, both pupils constricted and extensive crepitation noted over both lung fields.
 - a) What is your provisional diagnosis?
 - b) Explain the various clinical manifestations of the underlying poison.
 - c) Discuss in detail about treatment and post-mortem findings.

II. Write Short notes on:

(10 x 5 = 50)

1. Grievous hurt.
2. Hydrostatic test.
3. Autoerotic death.
4. Polygraph.
5. Development of rigor mortis is hastened in violent deaths. Reason out.
6. Magistrate inquest.
7. Differences between true insanity and feigned insanity.
8. Ecbolics.
9. Ichthyotoxicosis.
10. Difference between human and animal hair.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0623]

JUNE 2023

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I (CBME)

PAPER V – FORENSIC MEDICINE AND TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Define Firearm. Draw and describe the parts of the Shotgun Cartridge. Describe the pattern of entrance wounds produced by a Shotgun at various ranges.
2. A 30 year old male, painter by occupation presents to the Emergency Department with history of vomiting, headache, visual disturbances, restlessness and convulsion. On examination patient is anaemic with facial paleness, blue lines noted on the gums and left wrist drop.
 - a) What is your provisional diagnosis?
 - b) Explain the various clinical manifestations of the underlying poison.
 - c) Discuss in detail about treatment and post-mortem findings.

II. Write Short notes on:

(10 x 5 = 50)

1. National Medical Commission.
2. Forensic Entomology.
3. Difference between strychnine poisoning and tetanus.
4. A mentally ill person committing homicide is not punishable. Reason out.
5. Filigree burns and its Medico Legal importance.
6. Positive signs of Pregnancy.
7. Legal issues in Artificial insemination.
8. Causes of death in hanging.
9. Narco-analysis.
10. Resuscitation artefacts.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0224]

FEBRUARY 2024

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I (CBME)
PAPER I – FORENSIC MEDICINE & TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. A 38 year old man, who has been experiencing Delusions, hallucinations and thought disorder for the past 2 months now display of flattening effects, Lack of Motivation, Aggressive emotional charges and social withdrawal. How will you proceed with this Psychiatry patient? Answer the following questions:
 - a) Write about admission and discharge procedure as per MHCA -2017.
 - b) Describe in detail Independent Admission and supported Admission.
 - c) Rights of Mentally ill person and responsibilities of Doctors.
2. A 45 year old man was admitted to the trauma Intensive Care Unit following Motor Vehicle accident. He had multiple injuries and fractures with several complications. Then he developed ARDS and AKI, so he was put on ventilator and died on next day. The patient relatives complained about Hospital and Doctors, regarding inadequate treatment given to him. Answer the following questions:
 - a) Define Negligence.
 - b) Types of Negligence and its difference.
 - c) Medical negligence and its prevention.
 - d) Medical indemnity insurance.

II. Write Short notes on:

(10 x 5 = 50)

1. What is the First Information Report? Write about documentary evidence.
2. What are all the methods available to estimate the age by using teeth after 21 years?
3. How will you proceed Autopsy in case of Covid-19 (or) SARS Cov-2 infected cases and HIV infected dead bodies? Write about routine viscera and special viscera.
4. How will you proceed autopsy in case of firearm injuries?
5. Classify Agricultural poisoning and its clinical features, investigation, Postmortem appearance.
6. What are the signs of Live birth?
7. Describe the causes of death and post mortem findings in Antemortem burns.
8. Types of Hyoid bone fractures and its significance.
9. Dactylography.
10. Superfecundation and Superfetation.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0524]

MAY 2024

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I – SUPPLEMENTARY (CBME)

PAPER I – FORENSIC MEDICINE & TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

1. Define Rape. Describe the procedure of examination of a Survivor of Rape. Add a note on evidence collection.
2. A 45 year old male, gold smith by occupation presents to the Emergency Department with the history of attempted suicide by consuming a white coloured powder in his workplace. On examination patient is unconscious, vomitus with smell of bitter almond. Greenish blue colour appears on Lee-Jones Test.
 - a) What is your provisional diagnosis?
 - b) Explain the various clinical manifestations of the underlying poison.
 - c) Discuss in detail about treatment and post-mortem findings.

II. Write Short notes on: (10 x 5 = 50)

1. Describe and discuss the role of physician in health care system.
2. War gases.
3. Difference between Hanging and Strangulation.
4. Pseudocyesis.
5. A 10 year old female child gives her consent for Physical Examination. Reason out on the validity of the consent.
6. Difference between Bullet Entry and Exit Wounds.
7. Dying Declaration.
8. Types of Delusion.
9. Corpus delicti.
10. Therapeutic misadventure.

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020 & 2021-2022)

THIRD PROFESSIONAL PART – I MBBS (CBME)

PAPER I – FORENSIC MEDICINE & TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(2+3+6+2+2)

1. A 38-year-old male was admitted to the Trauma Intensive Care Unit following accidental fall down from two-wheeler. On examination he was unconsciousness GCS 3 /15, PR: 98/Min: BP: 130/90 mm Hg, RR: 24 /min, Temperature 41.5°C and Bilateral pupils dilated. He had multiple injuries and the Team of doctors confirmed as Brain Stem death.

- What is Brain Stem death?
- How will you certify Brain stem death?
- Write about outline of Authority to removal of organs.
- Punishment for unauthorized removal of Organs.
- Medico legal issues in Organ removal in Living and Cadaveric donor.

(5+5+5)

2. A 15-year-old girl brought to casualty by her parents with c/o vomiting loose stools, giddiness, tiredness, headache and weakness. O/E: Sweetish garlic like odor noted on her dress. Patient unconscious, anemic, jaundice with Tachycardia. BP: 60/40 mmHg, PR: 96/min, SP02 96%, Temperature 39°C. The casualty Medical Officer suspected as poisoning case.

Answer the following questions: -

- Classify poisoning (TOXICANTS).
- How will you diagnose poisoning in living and dead persons?
- Write about Decontamination and Management of poisoning.

II. Write Short notes on:

(10 x 5 = 50)

- Write about types of Offences. Difference between cognizable and Non-cognizable offences.
- Clinical features, post mortem appearance and medico legal importance of burns. Difference between scalds and burns.
- Describe in detail Post mortem findings in various types of Torture death.
- What are all the cause of male and female infertility?
- What is Virtopsy? Write about advantage, disadvantage and limitation of Virtopsy.
- Algor mortis.
- War gases.
- Dying Declaration.
- Therapeutic misadventure.
- Write a note on Confidentiality on Par with MTP Act.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0325]

MARCH 2025

Sub. Code :6075

M.B.B.S. DEGREE EXAMINATIONS

(For the candidates admitted from the Academic Year 2019-2020, 2020-2021 & 2021-2022)

THIRD PROFESSIONAL PART I - SUPPLEMENTARY - CBME

PAPER I – FORENSIC MEDICINE & TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

1. Define Poison. Classify Poison. Write in detail about Arsenic poisoning. (2+5+8)
2. Classify CNS Depressants, symptoms and treatment of ethyl alcohol and methyl alcohol poisoning. (4+3+8)

II. Write Short notes on: (10 x 5 = 50)

1. Describe coup and contrecoup injury with illustration. Explain the types of intracranial haemorrhage with diagrams.
2. What is homicide and its types? Describe 320 IPC.
3. Describe the causes of death and post-mortem findings in antemortem burns.
4. What is drowning? What are the types and post-mortem findings in antemortem drowning?
5. Illustrate the types of Mechanical Asphyxia. What is hanging? What are the types and post-mortem findings of Hanging?
6. Write a note on Expectations for doctor patient confidentiality in clinical practice.
7. What is Impotence and Sterility? Enumerate its causes, what is artificial insemination and its types?
8. Who is a Virgin? What is defloration? What are the types of hymen and Sec.375 IPC?
9. What is Pregnancy? What are the signs of pregnancy? What is precipitate labour?
10. What is abortion and its types? What are the methods of procuring abortion and complications of criminal abortion?

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 1025]

OCTOBER 2025

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION

**{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 & 2022-2023)}**

**THIRD PROFESSIONAL PART I - MBBS (CBME)
PAPER I – FORENSIC MEDICINE & TOXICOLOGY
Q.P. Code: 526075**

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

1. Classify firearms. Difference between Entry and Exit wounds due to Bullet injury. How will you assess the range of firing? (3+5+7)
2. Enumerate Post-mortem changes. Discuss in detail about Rigor Mortis. Conditions simulating Rigor Mortis. (4+8+3)

II. Write Short notes on: (10 x 5 = 50)

1. Duties of medical practitioner in a case of suspected poisoning.
2. Types of abrasion and its medicolegal importance.
3. Lucid Interval.
4. Tattoo marks.
5. Body Packers Syndrome.
6. Police Inquest.
7. Medical Indemnity insurance.
8. Sec.116 of Bharatiya Nyaya Sanhita (BNS).
9. Difference between Hanging and Ligature Strangulation.
10. Signs of Live Birth.

M.B.B.S. DEGREE EXAMINATION

**{{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 & 2022-2023)}}**

THIRD PROFESSIONAL PART I – SUPPLEMENTARY EXAMINATIONS

PAPER I – FORENSIC MEDICINE & TOXICOLOGY

Q.P. Code: 526075

Time: Three hours

Maximum: 100 Marks (80 Theory + 20 MCQs)

I. Essay:

(2 x 15 = 30)

(4+2+3+2+2+2)

1. A 45-year-old male was brought to casualty as brought dead. Body kept at mortuary cold storage room. On examination next day moderately nourished body of a male, Rigor Mortis present all over the body, post mortem staining seen on the back except contact areas and it was fixed, eyes closed, conjunctiva congested, cornea opaque, mouth, nose, lips, intact, no external injury, heart is enlarged with fatty deposition, coronary arteries shows atherosclerotic plaque with complete obstruction of left coronary arteries at proximal level. All internal organs were normal and congested. Viscera sent for Histopathological examination and toxicological analysis and final opinion was reserved. Answer the following questions:

- What are all the post mortem changes and its Medico legal importance?
- How will you estimate the post mortem interval based upon above said case, justify answer with reasons?
- How will you estimate the time since death based upon stomach and intestinal emptying time?
- What is Casper Dictum?
- What are all the organs preserved for HPE in the above said case and its preservatives?
- What are all the routine viscera preserved for chemical examination and preservative used for it?

(2+2+3+1+2+5)

2. A 17-year-old boy was found dead in his home and the door was closed. On opening the door by police, it was found that he was partially naked with pornography photos present in front of him. A rope was partially encircling his neck, its another end was in his hand and there is no evidence of injury except ligature mark in the neck. Answer the following questions:
- Define Asphyxia.

- b) Classify Mechanical Asphyxia.
- c) Pathophysiology of Mechanical Asphyxia.
- d) What is your inference of above said case?
- e) Post mortem appearance of above said case.
- f) Difference between Auto erotic asphyxia and suicide.

II. Write Short notes on:

(10 x 5 = 50)

1. MLI of Arsenic poisoning. Briefly describe difference between cholera and arsenic poisoning.
2. Evidence of recent and remote abortion in living and dead.
3. a) Define sudden death.
b) What are all the causes for sudden death?
4. Describe legal importance of Documentation / Preservation of Medico Legal Records.
5. Write about age estimation by using pelvic bones.
6. Difference between Burns and Scalds.
7. What is informed consent? Discuss in detail about informed consent in case of surgical procedure?
8. Subpoena.
9. Various types of blood groups and complications of Blood Transfusion.
10. Describe coup and contra coup injury with illustration.

[MBBS 0126]

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MBBS 0826]

AUGUST 2026

Sub. Code: 6075

M.B.B.S. DEGREE EXAMINATION

**{{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 to 2023-2024)}}**

**THIRD PROFESSIONAL PART I EXAMINATIONS
PAPER I – FORENSIC MEDICINE & TOXICOLOGY
Q.P. Code: 526075**

Time: Three hours

Maximum: 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. A 40 year old male farmer was brought to the emergency department with history of restlessness, difficulty in breathing, muscle twitching and drooling of saliva. On examination, patient was dyspneic, both pupils constricted and extensive crepitation noted over both side chest.
 - a) What is your provisional diagnosis? (2)
 - b) Explain the various clinical manifestations of the underlying condition (4)
 - c) Discuss in detail about the treatment? (4)
 - d) Explain the postmortem findings (5)
2. Discuss in detail about examination of sexual offence victim. Add a note on signs of recent delivery.

II. Write Short notes on:

(10 x 5 = 50)

1. Suspended Animation.
2. Difference between entry and exit wound due to bullet injury.
3. Postmortem interval.
4. Drug dependence.
5. Whiplash injury.
6. Written informed consent.
7. Summons.
8. Signs of Asphyxia.
9. Phossy jaw, sui, abortion stick?
10. Dactylography.
