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

[MD 0524] **MAY 2024** **Sub. Code: 4033**

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

PAPER I – BASICS OF FORENSIC MEDICINE, BASIC SCIENCES AND ALLIED SUBJECTS

Q.P. Code: 204033

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Describe the blood supply of uterus. Explain in detail the precautions, dissection procedure, evidence collection and preservation in a case of maternal death in the third trimester due to pregnancy related complications.

2. A 25 year male body builder collapses while working out at the gymnasium and is declared brought dead on arrival to the casualty of a tertiary care institution. Describe in detail the post-mortem examination techniques and biological samples to be preserved in such cases. Add a note on the differential diagnoses.

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

1. Fetal circulation.
2. Consent in surgical practice.
3. Emergency contraception.
4. Still birth.
5. Phantom pregnancy.
6. Biomedical Waste Management.
7. Café Coronary Syndrome.
8. Safe Kit.
9. Sudden Unexpected Death in Epileptics (SUDEP).
10. Circle of Willis.

III. Reasoning Out: **(4 x 5 = 20)**

1. Autopsy after sunset is medically not recommended.
2. Two finger test banned in medical examination of sexual offence survivors.
3. Presumption of death and presumption of survivorship.
4. Reasons of accident in drunkenness.

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

[MD 1224] **DECEMBER 2024** **Sub. Code: 4033**

(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER I – BASICS OF FORENSIC MEDICINE, BASIC SCIENCES AND ALLIED SUBJECTS

Q.P. Code: 204033

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Describe the developmental changes of foetus in chronological order and discuss the medicolegal significance.

2. Describe the blood supply of heart. Mention the changes in myocardial infarction. Add a note on postmortem genetic evaluation.

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

1. Informed consent.
2. Adult Respiratory Distress Syndrome.
3. Gender dysphoria.
4. Beating heart donor.
5. Role of radiology in medicolegal investigations.
6. PNDT act.
7. Artificial insemination.
8. Ecbolics.
9. Atheroma.
10. Anatomy of hyoid bone.

III. Reasoning Out: **(4 x 5 = 20)**

1. Estimation of alcohol in extradural haematoma.
2. Pugilistic attitude is not a sign of antemortem burns.
3. Entry wound is smaller than exit wound.
4. Double negative opinion regarding potency.

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4033**

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER I – BASICS OF FORENSIC MEDICINE, BASIC SCIENCES AND ALLIED SUBJECTS

Q.P. Code: 204033

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Define Asphyxia. Elaborate types, causes and post mortem changes in Asphyxia.

2. Classify Firearms. Elaborate about Shotgun injuries.

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

1. Superimposition.
2. Cephalic index.
3. Osteometric board.
4. Casper dictum.
5. Cleavage lines of Langer.
6. Hara-kiri.
7. Pristine bullet.
8. Total spinal anaesthesia.
9. Respirator brain.
10. Secondary accident.

III. Reasoning Out: **(4 x 5 = 20)**

1. Brian stem death exclusions.
2. Burns can be caused by chemicals also.
3. Atypical entrance wounds.
4. Sudden death.

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

[MD 0526] **MAY 2026** **Sub. Code: 4033**

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER I – BASICS OF FORENSIC MEDICINE, BASIC SCIENCES AND ALLIED SUBJECTS

Q.P. Code: 204033

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Define Death. Types of brain death and various criteria. Write briefly about organ transplantation.

2. Define abrasion and its mechanism, types, aging and medico legal importance.

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

1. Intersex.
2. Poroscopy.
3. Calligraphy.
4. Kevorkian sign.
5. Embalming.
6. Back spatter.
7. Railway spine.
8. Shock lung.
9. Paradoxical undressing.
10. Lichtenberg's flowers.

III. Reasoning Out: **(4 x 5 = 20)**

1. Suicidal Cut throat wounds.
2. Single entry and multiple exit wounds
3. Cadaveric spasm not a true rigor.
4. Defensive medicine.

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

[MD 0926] **SEPTEMBER 2026** **Sub. Code: 4033**

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER I – BASICS OF FORENSIC MEDICINE, BASIC SCIENCES AND ALLIED SUBJECTS

Q.P. Code: 204033

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Discuss about various medical specialities closely related with forensic medicine. Discuss various causes of death of maternal mother. Write about autopsy procedure of maternal death.(3+3+9)
2. Describe the complete autopsy procedure in a case of death due to surgical and anaesthesia procedures.

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

1. Circle of Willis.
2. Postnatal changes in umbilical cord.
3. Dental charting.
4. Diseases and injuries of aorta.
5. Various techniques of organ removal during autopsy.
6. Penile erection.
7. Locoparentis.
8. Injuries sustained on vertebral column.
9. Fat embolism.
10. Brain stem reflexes.

III. Reasoning Out: **(4 x 5 = 20)**

1. Reasons for accidents in drunkenness.
2. Medico legal aspects of diabetes.
3. It is always possible to differentiate ante mortem electrocution and post-mortem electrocution.
4. Estimation of alcohol in epidural hematoma.

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