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

[MD 0524] **MAY 2024** **Sub. Code: 4036**

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

PAPER IV – RECENT ADVANCES IN FORENSIC MEDICINE, FORENSIC PSYCHIATRY AND MEDICAL TOXICOLOGY, APPLIED ASPECTS OF CLINICAL DISCIPLINES AND FORENSIC SCIENCES

Q.P. Code: 204036

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

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

1. Role of Forensic Expert in Organ Transplantation.
2. Define Insanity. Enumerate different causes of Insanity. Describe the procedure of Restraint of an Insane Person. Add a note on procedure to discharge him from Institutional Care.

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

1. Run amok.
2. Neutron Activation Analysis.
3. DNA technology regulation bill.
4. MTP act amendments.
5. Protoplasmic poison.
6. Sewer deaths.
7. Virtopsy.
8. Hippocratic Oath.
9. Euthanasia.
10. Civil responsibilities of mentally ill.

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

1. Gastric lavage is contra-indicated in an unconscious/semiconscious patient.
2. Dangers of Tourniquet in snake bite.
3. Doctors and Media.
4. Death inside a locked car.

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

[MD 1224] **DECEMBER 2024** **Sub. Code: 4036**

(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER IV – RECENT ADVANCES IN FORENSIC MEDICINE, FORENSIC PSYCHIATRY AND MEDICAL TOXICOLOGY, APPLIED ASPECTS OF CLINICAL DISCIPLINES AND FORENSIC SCIENCES

Q.P. Code: 204036

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

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

1. Discuss briefly the ethics of human experimentation.

2. Discuss the civil and criminal responsibilities of a mentally ill person. Add a note on rights of person with mental illness.

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

1. Cause of death in snake bite.
2. Lie detection
3. Anorexia nervosa.
4. Flashback phenomenon.
5. Feigned insanity.
6. Plumbism.
7. Hebephrenia.
8. Lucid interval.
9. Magic mushrooms.
10. Virtopsy.

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

1. Entomology can be used to estimate postmortem interval.
2. Euthanasia is legalized in some countries.
3. Diatoms as a forensic tool.
4. There are differences in male and female in tooth eruption, ossification of bones and closure of skull sutures.

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4036**

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER IV – RECENT ADVANCES IN FORENSIC MEDICINE, FORENSIC PSYCHIATRY AND MEDICAL TOXICOLOGY, APPLIED ASPECTS OF CLINICAL DISCIPLINES AND FORENSIC SCIENCES

Q.P. Code: 204036

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

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

1. A 50-year-old woman had disarticulation of left upper limb after RTA, which was revised and debrided over a period of 24 days. She was a known case of hypertension and type 2 diabetes. She was posted for split skin graft under general anaesthesia. After induction, patient developed severe tachycardia, hypotension and desaturation. Resuscitative measures failed. Discuss cause of death and autopsy in detail.

2. Different types of metallic poisoning. Discuss about lead poisoning.

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

1. Neutron activation analysis.
2. Presumptive signs of pregnancy.
3. Malignant hyperthermia.
4. Corroborative signs of rape.
5. Oligophrenia.
6. Chalcosis.
7. Hazards of alcohol.
8. Brown sugar.
9. Bio Medical Waste Management.
10. Nux vomica.

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

1. Virtual autopsy not a replacement for conventional autopsy.
2. Mental illness and murder.
3. Cannabis – for and against in medicine.
4. Trauma and abortion.

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

[MD 0526] **MAY 2026** **Sub. Code: 4036**

M.D. DEGREE EXAMINATION

FORENSIC MEDICINE

PAPER IV – RECENT ADVANCES IN FORENSIC MEDICINE, FORENSIC PSYCHIATRY AND MEDICAL TOXICOLOGY, APPLIED ASPECTS OF CLINICAL DISCIPLINES AND FORENSIC SCIENCES

Q.P. Code: 204036

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

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

1. Discuss about Mental disorder and responsibilities. Elaborate about criminal responsibility.

2. Discuss in detail about POCSO Act and discuss about its recent amendments.

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

1. Signs of live birth.
2. Sodomy.
3. Sexual asphyxias.
4. Carbolic acid poisoning.
5. Difference between arsenic poisoning and cholera.
6. Delirium tremens.
7. Psychedelics.
8. Methods of criminal abortion.
9. Autopsy in a case of AIDS.
10. Carbamates.

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

1. Mitochondrial DNA as a tool.
2. Alcohol estimation discrepancies.
3. Organic diseases and psychosis.
4. Atropine in OPC poisoning.

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