

April-2001

[KD 179]

Sub. Code : 2085

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

(Revised Regulations)

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNAECOLOGY AND PAEDIATRICS

Time : Three hours MPR - 2001 Maximum : 100 marks

Answer ALL questions.

1. Discuss coupe and contra-coupe injuries and their medicolegal importance. (25)
 2. Write an essay on medico-legal importance of trauma and disease. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Spalding signs
 - (b) Amniocentesis
 - (c) Ageing of subdural haematoma
 - (d) Changes in foetal circulation after birth
 - (e) Inter Sex.
-

[KE 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV — Forensic Medicine

Part II

**Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE, SURGERY, OBSTETRICS AND
GYNECOLOGY AND PAEDIATRICS**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe in detail about the changes of Uterus in Pregnancy, Delivery and Abortion. Give diagrammatic representation of Uterine blood supply. (25)
 2. Describe the blood supply of Brain. Write about the different intracranial haemorrhages. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Blood supply of Heart and Myocardial Infarction.
 - (b) Laboratory Investigations to confirm pregnancy.
 - (c) Non Accidental Injuries of a child.
 - (d) Trauma and Disease.
 - (e) Different Skull Fractures and Puppi's rule.
-

March-2002

[KG 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

Forensic Medicine

Part II

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNAECOLOGY AND PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss briefly the law in relation to Abortion and the role of Medicolegal Investigation in a case of death due to ~~Alleged Criminal~~ Abortion. (25)
 2. Discuss the Hazards of blood transfusion. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Sudden infant death syndrome.
 - (b) Circle of willis.
 - (c) Birth trauma.
 - (d) Cause of sterility in females.
 - (e) Types of skull fractures.
-

April-2003

[KI 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV — Forensic Medicine

Part II

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNECOLOGY AND PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of Radiology in Medico legal Investigation. (25)
 2. Describe the blood supply of the heart and discuss the medicolegal importance of Cardiac tamponade. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Diagnosis of pregnancy
 - (b) Concussion
 - (c) Adult Respiratory distress syndrome
 - (d) Deaths on the operation table
 - (e) Sub Arachnoid Haemorrhage.
-

[KJ 179]

Sub. Code : 2083

Write short notes on :

(10 × 5 = 50)

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV — Forensic Medicine

Part II

Paper I — FORENSIC MEDICINE IN RELATION
TO MEDICINE AND SURGERY, OBSTETRICS AND
GYNECOLOGY AND PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

M.C.Q. must be answered **SEPARATELY** on the
Answer Sheet provided as per the instructions on
the first page of M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Essay :

(2 × 15 = 30)

1. What are the provisions of MTP Act?
2. What is Battered Baby syndrome and describe its medical, medicolegal and social aspects?

3. Signs of recent delivery.
4. Causes of death in criminal abortion.
5. Hasse's rule.
6. Ecbolics.
7. Immunological tests for pregnancy.
8. Changes in umbilicus and umbilical cord after birth.
9. Cot death.
10. Precipitated labour.
11. Quickening.
12. Viability.

[KL 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV — Forensic Medicine

Part II

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNAECOLOGY AND PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

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

(2) Describe the lines of investigations in operational death.

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

- (a) Blood supply of the Brain
- (b) Family planning methods
- (c) Chromi Valvular diseases
- (d) Radioactive carbon
- (e) Latest trends intreatment of impotence
- (f) Adult respiratory distress syndrome
- (g) Acute Neurogenic shock
- (h) Neutron activation analysis
- (i) Cerebrorascular disorders
- (j) Postnatal changes in umbilical cord.

[KM 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV — Forensic Medicine

Part II

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNAECOLOGY AND PAEDIATRICS

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Mention the complications of anaesthesia.
Discuss the methods of Investigations and examination
of a case of anaesthetic death.

(2) Describe the various methods used to
procure abortion and the risks involved in them.
Mention the P.M. Findings in criminal abortion.

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

- (a) Surrogate mother.
 - (b) Dead born child.
 - (c) Artificial insemination.
 - (d) Hymen.
 - (e) Foetus of 16 weeks of age.
 - (f) Breslau's test.
 - (g) Positive signs of pregnancy.
 - (h) Punch drunk syndrome.
 - (i) Criminal causes of death in infant.
 - (j) Iatrogenic Electrocution.
-

[KO 179]

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II. Write Short notes on :

(10 × 5 = 50)

M.D. DEGREE EXAMINATION.

Branch XIV – Forensic Medicine

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE, SURGERY, OBSTETRICS AND
GYNAECOLOGY AND PAEDIATRICS

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the Autopsy procedure and Medico
Legal problems in the Investigation of Surgical and
Anaesthetic Deaths.

(2) Discuss the clinical manifestations and
Medico Legal importance of the Examination of a Victim
of Child abuse.

- (a) Assisted conception.
- (b) False virgin.
- (c) Super Foecundation.
- (d) Institutional Rape.
- (e) Dangerous weapons.
- (f) Cot Deaths.
- (g) Signs of Recent Delivery in the Dead.
- (h) Informed Refusal.
- (i) Sudden Death of a known Epileptic.
- (j) Locoparentis.

[KP 179]

Sub. Code : 2083

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

Paper I — FORENSIC MEDICINE IN RELATION TO
MEDICINE, SURGERY, OBSTETRICS AND
GYNECOLOGY AND PEDIATRICS

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Discuss in detail the cardiovascular lesions
resulting in sudden natural deaths. (20)

(2) Discuss the patho-physiology of head
injuries. (15)

(3) Discuss the autopsy procedure and medico-
legal problems in death due to criminal abortion. (15)

II. Short notes : (6 × 5 = 30)

(a) Sex tests in athletic contests.

(b) Adult respiratory distress syndrome.

(c) Stress fractures.

(d) Gentle homicide.

(e) Brain preservation for virological
examination.

(f) Custodial rape.

[KQ 153]

Sub. Code : 2081

M.D. DEGREE EXAMINATION.

Branch XIV — FORENSIC MEDICINE

FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNAECOLOGY
AND PAEDIATRICS

Common to :

Paper I — (Old/New/Revised Regulations)
(Candidates admitted from 1988–89 onwards)

And

Paper I — (For candidates admitted from 2004–05
onwards)

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Discuss in detail the autopsy procedure, investigations and the medico legal problems encountered in a case of death during surgical operation. (20)

(2) Discuss the social, medical and medico legal problems of battered baby syndrome. (15)

(3) Describe the autopsy procedure of decomposed female dead body suspected to have been killed after rape. (15)

II. Short notes : (6 × 5 = 30)

- (a) Pseudocyesis
 - (b) Criminal abortion
 - (c) Sudden deaths due to pulmonary diseases
 - (d) Fat embolism
 - (e) Positive signs of pregnancy
 - (f) Consent for surgery.
-

[KR 164]

Sub. Code : 2060

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

**FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNECOLOGY
AND PAEDIATRICS**

Common to :

Paper I – (Old / New / Revised Regulations)
(Candidates admitted from 1988–89 onwards)

And

Paper I – (For candidates admitted from 2004–05
onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

1. Discuss in detail about the medicolegal problems, procedure of investigation and the method of autopsy in a case of death associated with pregnancy. (20)

2. Discuss in detail about the assisted reproduction techniques with special reference to medical, social and medico legal problems associated with them. (15)

3. Write in detail about the theories of causation, autopsy appearances, histological findings and the medico legal problems in SIDS (cot death). (15)

II. Short Notes : (6 × 5 = 30)

- (a) Autopsy findings in anaesthetic deaths.
- (b) Affiliation case.
- (c) Legal implications of surrogacy.
- (d) Regulations of Prenatal diagnostic techniques.
- (e) Criteria to pronounce brain stem death.
- (f) Procedure of examination of accused in an alleged sexual assault case.

MARCH 2008

[KS 152]

Sub. Code : 2047

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

Paper I — FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNAECOLOGY AND
PAEDIATRICS

Common to all Regulations.

Q.P. Code : 202047

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Write Essays : (2 × 20 = 40)
1. Discuss the anatomy of pelvis from a Medico legal point of view.
(20)
 2. Describe the phenomenon of portal hypertension and its Medico legal significance. (20)
- II. Write Short notes on: (10 × 6 = 60)
- (1) Abortifacient Substances.
 - (2) Liver Function Tests.
 - (3) Battered Baby Syndrome.
 - (4) Munchausen's syndrome.
 - (5) Precipitate labour.
 - (6) Trial respiration.
 - (7) Cor pulmonale.
 - (8) Prostaglandins.
 - (9) Transfusion hazards.
 - (10) Beating heart cadaver.
-

September 2008

[KT 152]

Sub. Code: 2047

M.D. DEGREE EXAMINATION

Branch XIV – Forensic Medicine

**Paper I – FORENSIC MEDICINE IN RELATION TO
MEDICINE AND SURGERY, OBSTETRICS AND
GYNECOLOGY AND PAEDIATRICS**

(Common to all Regulations)

Q.P. Code : 202047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the anatomy of neck and its medico legal importance.
2. Discuss the causes of sudden death.

II. Write short notes on :

(10 X 6 = 60)

1. Cloning.
 2. Female foeticide.
 3. Langer's line of cleavage.
 4. Phlebothrombosis.
 5. Vitreous humor.
 6. Healing of a wound with separated edges.
 7. Sex chromosomes.
 8. Nosocomial infections.
 9. Brainstem death certification.
 10. Medico legal importance of blood groups.
-

March 2009

[KU 152]

Sub. Code: 2047

M.D. DEGREE EXAMINATION

**Branch XIV – FORENSIC MEDICINE
(Common to all candidates)**

**Paper I – FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNAECOLOGY AND
PAEDIATRICS**

Q.P. Code : 202047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Define death and evaluate present concept of 'Moment of Death'.
Reconcile the medicolegal problem arising with special reference to premature declaration of death.
2. Define haemorrhage and describe various types of intracranial haemorrhage.

II. Write short notes on : (10 x 6 = 60)

1. Foetal monsters.
2. Cloning.
3. Caput succedaneum.
4. Adult respiratory distress syndrome.
5. Foetal circulation.
6. Munchausen's syndrome.
7. Latest trends in treatment of snake bite.
8. Endocrinology of conception.
9. Wound repair.
10. Acute adrenal haemorrhage.

March 2010

[KW 152]

Sub. Code: 2047

M.D. DEGREE EXAMINATION

**Branch XIV – FORENSIC MEDICINE
(Common to all candidates)**

**Paper I – FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNECOLOGY AND
PAEDIATRICS**

Q.P. Code : 202047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Discuss the medico legal problems, investigations and autopsy procedure in a case of death during a major surgical operation.
2. Write in detail about medico legal problems and practical difficulties encountered in examining a victim of child abuse in paediatric practice. Describe the P.M. findings in a case of death due to battered baby syndrome.

II. Write short notes on : (10 x 6 = 60)

1. Assisted reproduction techniques.
2. Sudden infant death syndrome.
3. Euthanasia.
4. Signs of recent delivery in the dead.
5. Sudden death of a known diabetic.
6. Superfoetation and superfoecundation.
7. Criminal abortion.
8. Complications of blood transfusion.
9. Inter sex.
10. Precipitate labour.

MAY 2011

[KY 152]

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,

OBSTETRICS AND GYNECOLOGY AND PAEDIATRICS

Q.P. Code : 202047

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
I. Essay:			
1. Discuss the Autopsy procedure, investigations and medicolegal problems encountered in a case of death due to anaesthesia and surgical operations.	6	15	10
2. Discuss the Enzyme Histochemistry and Histopathological appearances in Myocardial Infarction.	6	15	10
II. Short Questions:			
1. Intra Cranial Haemorrhage.	3	8	5
2. Alcoholic Liver Failure.	3	8	5
3. Crush Syndrome.	3	8	5
4. Surrogate Mother.	3	8	5
5. Cor pulmonale.	3	8	5
6. Trial Respiration.	3	8	5
7. Foetal Circulation.	3	8	5
8. Regulation of prenatal diagnostic techniques.	3	8	5
III. Reasoning Out:			
1. Death due to mismatched blood transfusion.	4	10	5
2. Presumption of death and presumption of survivorship.	4	10	5
3. Role of Biochemistry in Forensic medicine.	4	10	5
4. Sudden death in sports.	4	10	5
IV. Very Short Answers :			
1. Cloning.	1	4	2
2. Amniotic Fluid Embolism.	1	4	2
3. Pseudocyesis.	1	4	2
4. Institutional Rape Trauma Syndrome.	1	4	2
5. Acute Coronary Syndrome.	1	4	2
6. Tissue Anoxia.	1	4	2
7. Dry Gangrene.	1	4	2
8. Pathophysiology of Oedema.	1	4	2
9. Fate of Thrombus.	1	4	2
10. Dissecting Aneurysm.	1	4	2

M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE
FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS
Q.P. Code : 202047

Time : 3 hours

Maximum : 100 marks

(180 Min)

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
I. Essay:			
1. Mention the actions of poisons in the body. Describe the methods of diagnosis of poisoning in the living and dead. Mention the duties of a doctor in a case of poisons.	9	15	10
2. Code of medical ethics of Indian Medical Council and its relevant to present day medical practice.	9	15	10
II. Short Questions:			
1. Acute Neurogenic Shock.	3	8	5
2. Postnatal changes in Umbilical cord.	3	8	5
3. Radioactive carbon.	3	8	5
4. Iatrogenic Electrocution.	3	8	5
5. Sudden death of Known Epileptic.	3	8	5
6. Assisted Consumption.	3	8	5
7. Sex tests in Athletic contests.	3	8	5
8. Gentle homicide.	3	8	5
III. Reasoning Out:			
1. Large atypical entrance wound.	5	10	5
2. Changes in Hymen after rupture.	5	10	5
3. Definite sign of rape.	5	10	5
4. Beating heart Donor.	5	10	5
IV. Very Short Answers :			
1. Coma	1	4	2
2. Inhibition of the heart.	1	4	2
3. Pontine Hemorrhage.	1	4	2
4. Addison's Disease.	1	4	2
5. Fabricated abortion.	1	4	2
6. Types of Hymen.	1	4	2
7. Bone pearls.	1	4	2
8. Arborescent Markings.	1	4	2
9. Chadwick's Sign.	1	4	2
10. Artificial insemination.	1	4	2

[LB 152]

OCTOBER 2012

Sub. Code: 2047

M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE
FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNECOLOGY AND PAEDIATRICS
Q.P. Code : 202047

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
I. Essay:			
1. Discuss the autopsy procedures and medico legal problems in the investigation of surgical and Anesthetic death.	9	15	10
2. Discuss the detail about the assisted reproductive techniques.	9	15	10
II. Short Questions:			
1. Amniocentesis.	3	8	5
2. Non Accidental injuries of the child.	3	8	5
3. Birth Trauma.	3	8	5
4. Causes of sterility in female	3	8	5
5. Concussion.	3	8	5
6. Ecchymosis.	3	8	5
7. Signs of recent delivery.	3	8	5
8. Precipitated labour.	3	8	5
III. Reasoning Out:			
1. Signs of Criminal Abortion.	5	10	5
2. Blood stain and posture of victim at the time of crime.	5	10	5
3. Chemical burns.	5	10	5
4. Reasons for Accidents in Drunkenness.	5	10	5
IV. Very Short Answers:			
1. Super fecundation	1	4	2
2. Lochia.	1	4	2
3. Surrogate mother.	1	4	2
4. Supernumerary teeth.	1	4	2
5. Ploucquet's test.	1	4	2
6. Abandoning of Infants.	1	4	2
7. Blast Lung	1	4	2
8. Traumatic Asphyxia.	1	4	2
9. Surgical Shock.	1	4	2
10. Tailgating.	1	4	2

**M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE
FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS
Q.P. Code : 202047**

Time: Three Hours

Maximum: 100 marks

I. Essay: (2X10=20)

1. Define syncope. Discuss the causes, pathophysiology, clinical features, investigations, autopsy findings and medicolegal importance of syncope.
2. a) Can General Surgeon perform Speciality Surgeries? Support your statement.
b) Discuss investigations, autopsy findings and causes of death due to Hysterectomy Operation in Spinal Anaesthesia.

II. Short Questions: (8X5=40)

- 1.Refeeding Syndrome.
- 2.Ewings Postulates
- 3.Status Thymolymphtics.
- 4.Broken Heart Syndrome.
- 5.Slippery Elm bark.
- 6.Paradoxical Undressing.
- 7.Amniotic fluid Embolism.
- 8.Death due to Defibrillation.

III. Reasoning Out: (4X5=20)

- 1.Victims of Geriatric Abuse.
- 2.Death during Electroconvulsive Therapy
- 3.Histo pathology and Histo chemical Appearance in myocardial infarction
- 4.Hyperglycemic Crisis in Diabetes

IV. Very Short Answers: (10X2=20)

- 1.Intra Venous Narcotism.
- 2.Obstructive Sleep Apnoea.
- 3.Morbidity due to Hypoglycemia.
- 4.Erectile Dysfunction.
- 5.Atheroma.
- 6.Toxic Shock Syndrome.
- 7.Postpartum Haemorrhage.
- 8.Mountain Sickness.
- 9.Bone Pearls.
- 10.Beating Heart Cadaver.

[LE 152]

APRIL 2014

Sub. Code: 2047

M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE
FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS
Q.P. Code :202047

Time : Three Hours

Maximum : 100 marks

I. Essay: **(2X10=20)**

1. Write in detail about natural causes of death presenting as medico legal cases.
2. Discuss causes, investigations medico legal importance & Autopsy findings of cirrhosis with portal hypertension.

II. Short Questions: **(8X5=40)**

1. Write in detail about Sec. 376 IPC.
2. Write about medico legal issues of SODOMY.
3. Write about causes of STERILITY in male and female.
4. Glasgow coma scale.
5. Hepatic encephalopathy and its medico legal importance.
6. Write about signs of DELIVERY in living and its medico legal issues.
7. Write about COT DEATH.
8. Write about death due to ACUTE STARVATION.

II. Reasoning Out: **(4X5=20)**

1. Intact hymen is not a solid proof of VIRGINITY.
2. Infanticide during PUERPERAL PSYCHOSIS is not amounting to murder.
3. Child born out of artificial insemination is ILLEGITIMATE.
4. Statement recorded in a person died due to traumatic PONTINE HEMORRHAGE – FALSE.

IV. Very Short Questions: **(10X2=20)**

1. Birth trauma.
2. Death due to cerebral compression.
3. PEDOPHILIA.
4. CHADWICK'S sign.
5. PSEUDOCYESIS.
6. Surrogate mother.
7. Acute pericarditis.
8. Appendicular abscess.
9. DATE RAPE.
10. Sec 114 A I.E.A.

[LG 152]

APRIL 2015

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE
AND SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code : 202047

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Essay:

(2 x 10 = 20)

1. Describe the anatomy of female genitalia. Discuss how this knowledge is useful in evaluation of medicolegal case.
2. Discuss the various medicolegal aspects of autopsy in “confirmed case of Acquired immuno deficiency syndrome”.

II. Short Questions:

(8 x 5 = 40)

1. Cephalhaematoma.
2. Biological tests of pregnancy.
3. Adam’s classification of diffuse axonal injury.
4. Grades of Splenic injury.
5. Posthumous reproduction.
6. Degrees and features of frostbite.
7. Bride burns and dowry deaths.
8. Features of shaken baby syndrome.

III. Reasoning Out:

(4 x 5 = 20)

1. Artefacts related to postmortem lividity.
2. Medicolegal issues related to cloning and stem cell.
3. Le facies sympathique indicates antemortem hanging.
4. Accident faked to conceal crime.

IV. Very Short Questions:

(10 x 2 = 20)

1. Acute Pancreatitis.
2. Turner’s syndrome.
3. Ventilator lung.
4. Non penetrating Trauma to chest.
5. Pulmonary oedema.
6. Amniocentesis.
7. Graft versus host disease.
8. Sudden death in Epilepsy.
9. Umbilical cord and time since birth.
10. Cor Pulmonale.

[LI 152]

APRIL 2016

Sub. Code: 2047

**M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE**

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code :202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 10 = 20)

1. Discuss the autopsy procedure, Investigation and Medicolegal problems in a case of death during surgical operation.
2. Discuss the third trimester pregnancy with bleeding per vaginum, its complications and medico legal problems of death due to abruption placenta.

II. Short Questions:

(8 x 5 = 40)

1. Psychological Autopsy.
2. Signs of recent delivery in the dead.
3. Air embolism.
4. Surrogate mother.
5. Polygraph.
6. Composite negligence.
7. Autopsy in a case of death due to firearms.
8. Filigree burns.

III. Reasoning Out:

(4 x 5 = 20)

1. Accidents are more common in alcoholics.
2. Opinion regarding potency of Male is usually given in negative form.
3. Death due to mismatched blood transfusion.
4. A women who kills a person who attempts to rape her is not punishable.

IV. Very Short Questions:

(10 x 2 = 20)

1. Breslau's test.
2. Auto transfusion.
3. Informed refusal.
4. Declaration of Helsinki.
5. 304 A IPC.
6. Consumer Protection Act.
7. Gettlers Test.
8. Quoad hanc.
9. Res ipsa loquitur.
10. Acute neurogenic shock.

M.D. DEGREE EXAMINATION
BRANCH XIV – FORENSIC MEDICINE
PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS

Q.P. Code :202047

Time : Three Hours

Maximum : 100 Marks

I. Essay: **(2 x 10 = 20)**

1. Outline the blood circulation of uterus. Discuss the various methods adapted in inducing criminal abortion and causes of death.
2. Outline the forensic anatomy of Intracranial structures with special reference to intracranial haemorrhages.

II. Short Questions: **(8 x 5 = 40)**

1. Munchausen's syndrome by proxy.
2. Medicolegal aspects of artificial insemination.
3. Indecent assault.
4. Birth in caul.
5. Examination of aborted material.
6. Cinderella syndrome.
7. Gross findings for dating of subdural haemorrhage.
8. Causes of syncope.

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

1. Principle signs of virginity.
2. Blood stain and sex.
3. Rape on deflorated women.
4. Causes of death in partial hanging.

IV. Very Short Questions: **(10 x 2 = 20)**

1. Pneumothorax
2. Ascites.
3. Primary biliary cirrhosis
4. Hepatic Encephalopathy
5. Polycystic Kidney disease.
6. Features of parous uterus
7. Pseudocyesis.
8. Rights of an unborn child.
9. Cupping.
10. Nutmeg liver.

[LK 152]

MAY 2017

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code :202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 10 = 20)

1. Define coma, Discuss about the causes, clinical features, investigations, pathophysiology and medico legal problems when a comatose patient is admitted in the I.M.C.U.?
2. Define Eclampsia. Describe the causes, clinical features pathophysiology, investigations, Autopsy findings and the medicolegal importance of a patient who died of Eclampsia.

II. Short Questions:

(8 x 5 = 40)

1. Discuss about the Kerauno medicine and its postmortem appearances.
2. Trial Respiration.
3. Death and postmortem appearance in Rabies.
4. Pheochromocytoma.
5. Cerebral malaria.
6. Rupture of ectopic pregnancy and post mortem appearances.
7. Battered Alcoholic syndrome.
8. Crush syndrome and its medico legal importance.

III. Reasoning Out:

(4 x 5 = 20)

1. Death due to mismatched blood transfusions.
2. Role of Biochemistry in Forensic medicines.
3. Problems due to Alcoholic Jealousy.
4. Death due to coronary syndrome.

IV. Very Short Questions:

(10 x 2 = 20)

1. Albright syndrome.
2. Acute Respiratory distress syndrome.
3. Auto Erotic Asphyxia.
4. Desert syndrome.
5. Deuel's Halo sign.
6. Filicide.
7. Grey – Turners sign.
8. Honor killing.
9. Hospital addiction syndrome.
10. Iodide mumps.

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,
OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code :202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 10 = 20)

1. Discuss the causes, etiopathogenesis and medico legal problems of death due to cardiomyopathy.
2. Describe the developmental changes of foetus in chronological order and discuss the medicolegal significance.

II. Short Questions:

(8 x 5 = 40)

1. Perinatal autopsy.
2. Cot death.
3. Shaken baby syndrome.
4. Professional secrecy.
5. Criminal causes of infant death.
6. Features of foetus at 12 weeks of age.
7. Crush syndrome.
8. Punch drunk syndrome.

III. Reasoning Out:

(4 x 5 = 20)

1. Pugilistic attitude.
2. Sudden death in sports.
3. Ante mortem burns can be differentiated from postmortem burns.
4. Death due to anastomotic leak in peritoneum.

IV. Very Short Questions:

(10 x 2 = 20)

1. Ricochet bullet.
2. Narco analysis.
3. Teichmann test.
4. Marjolin's ulcer.
5. Live birth.
6. Hegar's sign.
7. Tardieu spot.
8. Casper's dictum.
9. Negative autopsy.
10. Vicarious liability.

[LM 152]

MAY 2018

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS

Q.P. Code :202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Define abortion and discuss the medicolegal investigation in a case of death due to Alleged criminal abortion.
2. Define Fire arm? Classify fire arms. Describe the features of a wound entry by a revolver at close, near and distant ranges.

II. Short notes:

(10 x 5 = 50)

1. Caput succedaneum and its medicolegal importance.
2. Cardiac tamponade.
3. Sudden infant death syndrome.
4. Postnatal changes in umbilical cord.
5. Informed Refusal.
6. Euthanasia.
7. Psychological autopsy.
8. Bite marks.
9. Locard's principle.
10. Air embolism.

III. Reasoning Out:

(4 x 5 = 20)

1. Medical proof of sexual intercourse is not a legal proof of Rape.
2. Crying is not a conclusive sign of live birth.
3. Intact hymen is not a Reliable sign of virginity.
4. Sudden death in alcoholics during struggle.

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

I. Essay: (2 x 15 = 30)

1. Describe the formation of thrombus. Describe the fate of thrombus. Write in detail about thromboembolism.
2. Write about sex related homicides.

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

1. Compression of brain.
2. Murder by fright.
3. Concussion of spine.
4. Artificial insemination.
5. Peritonitis.
6. Meningomyelocele.
7. Foetal and adult blood circulation.
8. Starvation.
9. Rape trauma syndrome.
10. Fever of unknown origin.

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

1. Intra abdominal bleeding not always requires surgery.
2. Vomiting, a presenting symptom of Acute Myocardial Infarction.
3. Surfactants lower the age of viability in foetus.
4. Spinal injury not always associated with vertebral injury.

[LQ 152]

**AUGUST 2020
(MAY 2020 SESSION)**

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND
SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Discuss various types of artificial reproductive techniques and their medico-legal importance.
2. Describe the anatomy of the female genitalia and discuss its medico legal significance with special reference to criminal abortion.

II. Short notes:

(10 x 5 = 50)

1. Disputed paternity.
2. Discuss spermatogenesis.
3. Discuss fat embolism.
4. Discuss septic shock.
5. Describe genito-urinary system of male.
6. Malignant hyperthermia.
7. Sudden Death in seizure disorder. Discuss the pathophysiology of Epilepsy in detail.
8. Mismatched blood transfusion.
9. Coronary circulation and its medico legal importance.
10. Punch drunk syndrome.

III. Reasoning Out:

(4 x 5 = 20)

1. Can a homicide case be concealed as electrocution with both entry and exit wounds?
2. Why do we also include heart along with the lungs to carry out hydrostatic test to know the nature of birth, i.e. live or dead born?
3. Are Salivary marks around angle of mouth in alleged hanging death cases really a sure sign of antemortem hanging?
4. How are antemortem injuries in decomposed body to be interpreted?

[MD 0721]

JULY 2021
(MAY 2021 SESSION)
M.D. DEGREE EXAMINATION

Sub. Code: 2047

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND
SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Describe the various types of fractures of long bones. Discuss in detail about sudden deaths in fractures of long bones.
2. Classify anaesthetic drugs. Elaborate upon the various causes of death due to anaesthesia.

II. Short notes:

(10 x 5 = 50)

1. Oogenesis.
2. Partograph.
3. Complications of radical mastoidectomy.
4. Jet ventilation.
5. Complications of endotracheal intubation.
6. Medicolegal issues in surrogacy.
7. Pregnancy induced hypertension and its complications.
8. Erythroblastosis.
9. Bicuspid Aortic valve and its medicolegal importance.
10. Postmortem findings in anaphylactic deaths.

III. Reasoning Out:

(4 x 5 = 20)

1. Premedication is mandatory prior to induction of anaesthesia.
2. Ewings postulates in relation to trauma.
3. Blunt injury abdomen without any autopsy findings can cause death.
4. Consent of one spouse is not necessary for an operation of the other.

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

[MD 0522]

MAY 2022

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND
SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. What are the various types of emboli? Describe the methods of demonstration of fat embolism at autopsy. Give its medicolegal significance.
2. Discuss NHRC guidelines regarding encounter deaths.

II. Short notes:

(10 x 5 = 50)

1. Legitimacy.
2. Pseudocyst.
3. Justifiable abortions.
4. Acute fatty liver of pregnancy.
5. Autopsy findings in anaphylactic deaths.
6. Amelogenin.
7. Acts of Commission in children.
8. Respirator.
9. PERK kit.
10. Channelopathies.

III. Reasoning Out:

(4 x 5 = 20)

1. Guarded gait.
2. Consensual sexual intercourse with a patient is not an offence.
3. Radiology before autopsy.
4. Palmer hyperkeratosis – a skin disease.

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND
SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

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

1. Discuss in detail about stages, various injuries, cause of death and post-mortem finding in hypothermia deaths. Add a short note on Neonatal Cold Injury.
2. Define Precipitate Labour. Write in detail about Postpartum Haemorrhage, its causes, complications and management with its Medicolegal Significance.

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

1. Medical Termination of Pregnancy Act 2021.
2. Radiological signs of Intrauterine Death.
3. Cerebral concussion.
4. Crush syndrome.
5. Malignant hyperthermia.
6. Commotio Cordis.
7. Shaken Baby syndrome.
8. Acute pulmonary oedema.
9. Amniocentesis.
10. Klinefelter syndrome.

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

1. Extra Dural haemorrhage is always of Arterial origin.
2. Abdominal cavity is opened prior to thoracic cavity in a case of foetal autopsy.
3. Ruptured hymen – not a sure sign of sexual intercourse.
4. Blowback phenomenon and Back spatter.

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

[MD 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2047

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER I – FORENSIC MEDICINE IN RELATION TO MEDICINE AND
SURGERY, OBSTETRICS AND GYNAECOLOGY AND PAEDIATRICS**

Q.P. Code: 202047

Time : Three Hours

Maximum : 100 Marks

I. Essay: (2 x 15 = 30)

1. Describe the triangles of the neck. Explain the dissection procedure of neck structures in a case of death due to asphyxia. Add a note on histological findings.
2. A 2 month old second born full term female baby, delivered vaginally at home, born to a labourer mother who was un-booked and non-vaccinated during her pregnancy is brought dead to the casualty. The baby had difficulty in feeding with history of Cyanotic Spells. Describe the dissection procedure with probable causes of death. Add a note on Congenital Cyanotic Heart Diseases.

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

1. Ectopic pregnancy.
2. Cephalhematoma.
3. Diffuse axonal injury.
4. Surrogacy.
5. Joule's burn.
6. Negative autopsy.
7. Informed refusal.
8. Coronary atherosclerosis
9. Flail chest.
10. Grievous hurt.

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

1. Opinion regarding potency in males is given in double negative form.
2. Intact hymen is not a reliable sign of virginity.
3. Spinal injury is not always associated with vertebral injury.
4. Blood stain and posture of victim.
