[KD 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Branch XIV - Forensic Medicine

(Revised Regulations)

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Time: Three hours Maximum: 100 marks

Answer ALL questions.

- What are the ingredients emerged out from a fire-arm and what are their effects on the target and their significance? (25)
- Medicolegal significance of long bone. (25)
- Short notes on :

- (a) Cot death
- (b) Legal aspect of Abortion
- (c) Whiplash injury
- (d) Surrogate mother
- (e) Heat Heamatoma.

[KE 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV - Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL—ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

- Discuss and criticise Rape definition. Write in detail about Custodial Rape and 114 A – I.E.A. (25)
- How to estimate the Age from a single tooth? and
 add a note on 3rd Molar eruption. (25)
 - 3. Write briefly on:

- (a) Super-imposition.
- (b) Human Organ Transplantation Act.
- (c) Neutran Activation Analysis.
- (d) Forensic Entomology.
- (e) Coroner's Inquest and Medical Examiner's System.

KG 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Time : Three hours,

Maximum: 100 marks

Answer ALL questions.

- Discuss the interpretation of the wound of entry in establishing the identity of the weapon, direction and distance in the case of gunshot injury. (25)
- Define 'Asphyxia'. Explain the mechanism of death and post-mortem appearances in a case of drowning. (25)
- Write notes on :

- (a) Self inflicted wounds.
- (b) Punishment for rape.
- (c) Chemical and histological analysis of body fluids to know the time of death.
 - (d) Artificial insemination.
- (e) Intact hymen is not a proof of virginity. Comment.

September-2002

[KH 181]

Sub. Code : 2085

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XIV - Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

- Describe the different types of intracranial haemorrhages. Write a note on Lucid Interval (25)
- Discuss skeletal sex determination with special reference to Indian studies. (25)
- 3. Write briefly on :

- (a) Medullary Index
- (b) Vagal Inhibition
- (c) Personal Identification from teeth
- (d) Battered Baby syndrome
- (e) Dermal nitrate test.

[KI 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

- Classify burns and its pathogenesis. Discuss postmortem findings in a case of death due to Electric burns. (25)
- Define Hanging. Cause of death from Hanging.
 From the circumstances and postmortem appearance.
 How do you determine the suicidal hanging from Homicidal Hanging. (25)
- Write notes on :

- (a) Signs of live birth
- (b) Pedestrian Injuries
- (c) Medico-legal importance of Pregnancy
- (d) Explosive Injuries
- (e) Patterned Injuries.

[KJ 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

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

M.C.Q. must be answered SEPARATELY on the answer sheet provided as per the instructions on the first page.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- (a) Classify violent asphyxial deaths. Discuss the mechanisms of death in fresh and salt water drowning. Mention the post mortem findings and laboratory investigations in case of drowning. (15)
- (b) Discuss the changes occurring in the eye after death. (15)

2. Write short notes on:

 $(10 \times 5 = 50)$

- (a) Identification of temporary and permanent teeth.
 - (b) Age from pubic symphysis changes.
 - (c) Super imposition technique.
 - (d) Gustafson's technique.
 - (e) Dying deposition.
 - (f) Brain death.
 - (g) Typical hanging.
 - (h) Dum dum bullet.
 - (i) Railway spine.
 - (i) Lochia.

[KM 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Forensic Medicine

Part II

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

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.

L Essay:

 $(2 \times 15 = 30)$

- Enumerate Intra cranial haemmorhages.
 Discuss in detail subdural haemmorhage. Mention the causes of death in head injuries.
- (2) Define Bore of a Fire arm. How do you assess the range of firing by examining the entrance wound caused by a shot gun.

I. Short notes :

 $(10 \times 5 = 50)$

- (a) Estimating stature using long bones.
- (b) Medicolegal importance of Bite marks.
- (c) Sodomy.
- (d) Agonal thrombi.
- (e) Heat Stroke.
- Obscure autopsy.
- (g) Psedo strangulation.
- (h) Sexual perversions punishable by law.
- (i) Impotence in males.
- Criminal courts of Law and their powers.

[KO 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Branch XIV - Forensic Medicine

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

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 questions :

 $(2 \times 15 = 30)$

- Discuss the problems encountered in the Interpretation of cause and Manner of Death in Dowry Death cases due to pressure over the Neck.
- (2) Describe how will you establish the Identify, Time since Death, cause and manner of Death in a body with Injuries recovered from water.

II. Write short notes:

 $(10 \times 5 = 50)$

- (a) Gun powder.
- (b) Injuries caused by Bomb Explosion.
- (c) Railway spine.
- (d) Indecent Assault.
- (e) M.T.P.
- (f) Presumption of survivorship.
- (g) Collecting and Forwarding of Forensic samples for DNA Finger printing.
 - (h) Viable Foetus.
 - Sudden Death during sports.
 - (j) Death in police custody.

[KP 181]

Sub. Code: 2085

M.D. DEGREE EXAMINATION.

Branch XIV - Forensic Medicine

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

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.

- L Essay:
- Discuss the role of Forensic pathologist in management of a mass disaster. (20)
- Discuss the autopsy procedure in case of deaths due to firearms. (15)
- Describe how the changes in the pubic symphysis help in estimation of age in later years. (15)

II. Short notes:

 $(6 \times 5 = 30)$

- (a) Wip Lash injury
- (b) SIDS.
- (c) Importance of scene of crime visit
- (d) Entamology of the cadevar
- (e) Erotized repetative hanging syndrome
- (f) Bite marks.

[KQ 155]

Sub. Code: 2083

M.D. DEGREE EXAMINATION.

Branch XIV - Forensic Medicine

FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

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

and

Paper IV (for candidates admitted from 2004–2005 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:

 Discuss the difficulties encountered in the interpretation of postmortem findings in the neck in dowry death cases due to compression of the neck. (20)

- (2) Describe the various factors that help in establishing Time since death in a decomposed body. (15)
- (3) Describe the various factors that help in determining the identity of the Dead bodies in a Mass Disaster. (15)

II. Short notes:

 $(6 \times 5 = 30)$

- (a) Railway Spine.
- (b) Age Estimation by Gustafson's method.
- (c) Estimation of stature from long bones.
- (d) Dangerous weapons.
- (e) Cardiac Tamponade.
- (f) Ricochet Bullet.

[KR 166]

Sub. Code: 2062

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Common to Paper III (Old/New/Revised Regulations) (Candidates admitted from 1988–89 onwards)

and

Paper IV (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:
- As a forensic pathologist how will you establish
 the identity from the skeletonized remains, add a
 special note on estimation of age from the Pubic
 Symphysis. (20)
- Describe about Forensic Entomology. (15)

 Mention different types of skull fracture with the mechanism and write in detail about sub-arachnoid haemorrhage. (15)

II. Short notes:

 $(6 \times 5 = 30)$

- (a) Self inflicted Injuries
- (b) Exhumation in India
- (c) Vitreous Humor in estimating TSD
- (d) Intersex
- (e) MTP
- (f) Estimation of Age from a single tooth.

MARCH 2008

[KS 154] Sub. Code: 2049

M.D. DEGREE EXAMINATION.

Branch XIV — Forensic Medicine

Paper III — FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Common to all regulations

Q.P. Code: 202049

Time: Three hours Maximum: 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essays: $(2 \times 20 = 40)$

- 1. Define and classify anoxia. Discuss the autopsy findings in cases of suffocation.
- 2. Write an essay on hurt and homicide with reference to IPC. Distinguish between culpable homicide and murder.
- II. Write short notes on: $(10 \times 6 = 60)$
 - 1. Custodial deaths.
 - 2. Bedside magistrate's court.
 - 3. Designer babies.
 - 4. Acute respiratory distress syndrome.
 - 5. Rape trauma syndrome.
 - 6. Dating of wounds.
 - 7. Bertillon's system.
 - 8. Starvation deaths.
 - 9. Fry phenomenon.
 - 10. Aviation injuries.

[KT 154] Sub. Code: 2049

M.D. DEGREE EXAMINATION

Branch XIV – Forensic Medicine

Paper III – FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

(Common to all Regulations)

Q.P. Code: 202049

Time: Three hours Maximum: 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions:

 $(2 \times 20 = 40)$

- 1. Write an essay on forensic Radiology.
- 2. Discuss the role of Forensic Pathologist in mass disaster management?

II. Write short notes on:

 $(10 \times 6 = 60)$

- 1. Whiplash injury.
- 2. Comparison microscope.
- 3. Retraction Balls.
- 4. Forensic Entomology.
- 5. Sydney shark case.
- 6. Bite marks.
- 7. Lateral Traction Test.
- 8. Casper's dictum.
- 9. Presumption of survivor ship.
- 10. Puppe's rule.

March 2009

[KU 154] Sub. Code: 2049

M.D. DEGREE EXAMINATION

Branch XIV – FORENSIC MEDICINE (Common to all candidates)

Paper III – FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: Three hours Maximum: 100 marks

Draw suitable diagram wherever necessary Answer ALL questions

I. Essay questions:

 $(2 \times 20 = 40)$

- 1. Discuss consumer forum with specific references to cases of medical malpraxis.
- 2. How do you ascertain the distance and direction of firing from the wound of entrance of bullet injuries? Add a note on explosion injuries.

II. Write short notes on:

 $(10 \times 6 = 60)$

- 1. Medico-legal reports.
- 2. Human bite marks.
- 3. Gerantophilia.
- 4. Negative autopsy.
- 5. Auto erotic deaths.
- 6. Nuclear sexing.
- 7. Privileged communication.
- 8. Age changes in mandible.
- 9. Causes of death in burns.
- 10. Forensic entomology.

March 2010

[KW 154] Sub. Code: 2049

M.D. DEGREE EXAMINATION

Branch XIV – FORENSIC MEDICINE (Common to all candidates)

Paper III – FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: Three hours Maximum: 100 marks

Draw suitable diagram wherever necessary Answer ALL questions

I. Essay questions:

 $(2 \times 20 = 40)$

- 1. Discuss the medico legal problems encountered in a case of dowry death due to pressure over the neck.
- 2. Briefly outline the interpretation of the post mortem findings in a decomposed body with injuries recovered from a river.

II. Write short notes on:

 $(10 \times 6 = 60)$

- 1. Bite marks.
- 2. Mixed dentition.
- 3. Dactylography.
- 4. Arcus senilis.
- 5. Punch drunk.
- 6. Fractures of the skull.
- 7. Pontine haemorrhage.
- 8. Fabricated wounds.
- 9. Delayed deaths from injuries.
- 10. Tandem bullet.

MAY 2011

[KY 154] Sub. Code: 2049

M.D. DEGREE EXAMINATION BRANCH XIV – FORENSIC MEDICINE FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: 3 hours (180 Min)	Maximum: 100 marks					
Answer ALL questions in the same order.						
I. Essay:	_	Time (Max.)				
1. Discuss the autopsy procedure in a case of death due to Fire arms.	6	15	10			
Define and discuss the causes and medicolegal importance of Suspended animation.	6	15	10			
II. Short Questions:1. Indecent assault.2. Forensic odontology.3. Sudden death during sports.	3 3 3	8 8 8	5 5 5			
4. Death due to Viagra.5. Infertility.6. Vicarious liability.	3 3 3	8 8 8	5 5 5			
7. Age from pubic symphysis.8. Embalming.	3	8	5 5			
 Reasoning Out: Importance of scene of crime visit. Erotized repetitive hanging syndrome. Certification of brain death. Death in Police custody. 	4 4 4 4	10 10 10 10	5 5 5 5			
 IV. Very Short Answers: Dermal nitrate tests. Punch Drunk syndrome. Heat Ruptures. Lynching. Fabricated wounds. Abrasion collar. Brush burns. Haptoglobulins. Burking. 	1 1 1 1 1 1 1	4 4 4 4 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2			
10. Boxers attitude.	1	4	2			

April 2012

[LA154] **Sub. Code: 2049**

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

FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: 3 hours (180 Min)	Maximum: 100 marks		
Answer ALL questions in the same ord	lor		
	Pages	Time	Marks
	(Max.)		
I. Essay:	(1114211)	(111111)	(1714211)
1. Discuss the interpretation of the wound of entry in			
establishing the identity of weapon, direction and distance	9	15	10
in the case of gunshot Injury.		_	
2. Discuss and criticize rape definition. Write in detail about			
Custodial rape 114A-IEA.	9	15	10
II. Short Questions:			
1. Erotized repetitive hanging syndrome.	3	8	5
2. Ricochet Bullet.	3	8	5
3. Designer babies.	3	8	5
4. Casper Dictum.	3	8	5
5. Sudden Infant Death Syndrome.	3	8	5
6. Sub arachnoid hemorrhage.	3	8	5
7. Gas rigidity.	3	8	5
8. Death in Police Custody.	3	8	5
III. Reasoning Out:			
1. Time since Injury of Skull fractures.	4	10	5
2. Difficulties in diagnosis of death from hanging.	4	10	5
3. Stature from Skeletal remains.	4	10	5
4. Conditions that replace Purification.	4	10	5
IV. Very Short Answers:			
1. Concealed trauma.	1	4	
2. Transparency of the root.	1	4	
3. Tardieu spots.	1	4	
4. Goodell's sign.	1	4	2
5. Atavism.	1	4	2
6. Cadaveric Spasm.	1	4	
7. Postmortem changes of muscle enzymes.	1	4	2
8. Lucid Interval.	1	4	
9. Nail Marks.	1	4	
10. Lust Murder.	1	4	2

[LB154] OCTOBER 2012 Sub. Code: 2049

M.D. DEGREE EXAMINATION BRANCH XIV – FORENSIC MEDICINE

FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: 3 hours (180 Min)	Maximum: 100 marks		
Answer ALL questions in the same or	dor		
Answer ALL questions in the same of	Pages	Time (Max.)	Marks (Max.)
I. Essay:			
1. Describe the Patho physiology of cerebral compression			
and its legal significance.	9	15	10
2. Discuss the role of Forensic Doctor in management of a			
Mass Disaster.	9	15	10
II. Short Questions:			
1. Wounds from explosives.	3	8	5
2. Lab diagnosis of Drowning.	3	8	5
3. Foot print Ratio.	3	8	5
4. Psycho social developments.	3	8	5
5. Whiplash injury.	3	8	5
6. Concept of Brain death and organ transplantation.	3	8	5
7. Neutron Activation Analysis.	3	8	5
8. Comment about-Intact Hymen is not a proof of Virginity	7. 3	8	5
III. Reasoning Out:			
1. Wounds not resemble firearm wounds.	5	10	5
2. Medico legal certificates.	5	10	5
3. Estimation of age in a person of above 25 years.	5	10	5
4. Negative autopsy.	5	10	5
IV. Very Short Answers:			
1. Turner's syndrome.	1	4	2
2. Postmortem Clots.	1	4	
3. Avulsion fracture.	1	4	2 2 2
4. Eunuchs.	1	4	2
5. Psychological Autopsy.	1	4	2
6. Harakiri.	1	4	2
7. Zasko's Phenomenon.	1	4	2
8. Child Molester.	1	4	2
9. Motility of Sperms	1	4	2 2
10. Heat rupture.	1	4	2

(LC 154) APRIL 2013 Sub. Code: 2049

M.D. DEGREE EXAMINATION BRANCH XIV – FORENSIC MEDICINE

FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: Three Hours Maximum: 100 marks

I. Essay: (2X10=20)

- 1. How to estimate age from single tooth and add a note on third molar eruption.
- 2. Describe the various factors that help in establishing time since death in a decomposed body.

II. Short Questions:

(8X5=40)

- 1. Medullary Index.
- 2. Dermal Nitrate test.
- 3. Signs of live Birth.
- 4. Railway spine.
- 5. Lochia.
- 6. Sexual perversions punishable by law.
- 7. Sudden death in sports.
- 8. Presumption of Survivorship.

III. Reasoning Out:

(4X5=20)

- 1. Process of preserving dead body.
- 2. Exhumation of second Autopsy.
- 3. Time of Survival of Live born.
- 4. Torture and Forensic experts.

IV. Very Short Answers:

(10X2=20)

- 1. Second Autopsy.
- 2. Anoxia.
- 3. Post mortem Changes in Eye.
- 4. Partial hanging.
- 5. Dry lung Drowning.
- 6. Trichology.
- 7. Marital rape.
- 8. Abortificient drugs.
- 9. Embalming
- 10. Tandem bullet.

M.D. DEGREE EXAMINATION BRANCH XIV – FORENSIC MEDICINE FORENSIC MEDICINE INCLUDING PHYSICAL ANTHROPOLOGY AND FORENSIC ODONTOLOGY

Q.P. Code: 202049

Time: Three Hours Maximum: 100 marks

 $I. Essay: \qquad (2X10=20)$

1. Write in detail about identifying, lifting, classifying FINGER PRINTS and add a note about POROSCOPY.

2. Write about sex differences in SKELETAL REMAINS.

II. Short Questions:

(8X5=40)

- 1. Write about HERMOPHRODITISM.
- 2. Write about age assessment by changes in PUBIC SYMPHYSIS.
- 3. Write about STATURE assessment by various measures.
- 4. Betillion's system.
- 5. Write about medico legal importance of BITE MARKS.
- 6. Write about assessment of RANGE OF FIRING in a rifled fire arm by using TERMINAL BALLISTICS.
- 7. Write about LEGITIMACY and its medico legal issues.
- 8. Write about MANCHAUSENS syndrome and MANCHAUSENS syndrome in proxy.

II. Reasoning Out:

(4X5=20)

- 1. Sodium fluoride is used as a preservative for blood.
- 2. Permanent third molar is called WISDOM TEETH.
- 3. Doctor plays a major role in identification in MASS DISASTER.
- 4. All cavities to be examined during autopsy.

IV. Very Short Questions:

(10X2=20)

- 1. Algor mortis.
- 2. Types of identification
- 3. Ear prints.
- 4. Personal effects in identity.
- 5. Barr body.
- 6. Removal of TATTOO marks.
- 7. Objectives of doing autopsy.
- 8. Race determination.
- 9. Trial wounds.
- 10. Negative autopsy.