

[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.
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[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.
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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.
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[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.

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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.
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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.



[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.
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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  
GYANECOLOGY 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.
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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 GYANECOLOGY 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.

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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 GYANECOLOGY 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.

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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 GYANECOLOGY AND PAEDIATRICS**

*Q.P. Code : 202047*

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

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
<b>I. Essay:</b>			
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
<b>II. Short Questions:</b>			
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
<b>III. Reasoning Out:</b>			
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
<b>IV. Very Short Answers :</b>			
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

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

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

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
<b>I. Essay:</b>			
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
<b>II. Short Questions:</b>			
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
<b>III. Reasoning Out:</b>			
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
<b>IV. Very Short Answers :</b>			
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

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[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 GYANECOLOGY AND PAEDIATRICS**

*Q.P. Code : 202047*

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

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
<b>I. Essay:</b>			
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
<b>II. Short Questions:</b>			
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. Ecbolics.	3	8	5
7. Signs of recent delivery.	3	8	5
8. Precipitated labour.	3	8	5
<b>III. Reasoning Out:</b>			
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
<b>IV. Very Short Answers:</b>			
1. Super fecundation	1	4	2
2. Lochia.	1	4	2
3. Surrogate mother.	1	4	2
4. Super added 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

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**M.D. DEGREE EXAMINATION**  
**BRANCH XIV – FORENSIC MEDICINE**  
**FORENSIC MEDICINE IN RELATION TO MEDICINE AND SURGERY,**  
**OBSTETRICS AND GYANECOLOGY 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 Thymolymphtotics.
- 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.

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[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 GYANECOLOGY 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.

**III. 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 HEAMORRHAGE – 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.

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