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HEALTH SCIENCES LIBRARY

## MANIPAL UNIVERSITY

MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER I: BASIC MEDICAL SCIENCES AND OTHER ALLIED SUBJECTS  
AS APPLIED TO FORENSIC MEDICINE

Wednesday, April 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss the forensic anatomy of vertebral column.

(20 marks)

2. Discuss hepatic pathology and sudden death.

(20 marks)

3. Write short notes on:

3A. Age changes in pubic symphysis.

3B. Lochia.

3C. Precipitin test.

3D. Race from teeth.

3E. Vascular changes after birth

3F. Lines of Langer

(10×6 = 60 marks)



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**MANIPAL UNIVERSITY****MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2009****SUBJECT: PAPER II: MEDICAL JURISPRUDENCE & CLINICAL FORENSIC MEDICINE**

Thursday, April 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL the questions.**

1. Discuss the establishment of identity from human remains.  
(20 marks)
  
2. Discuss the ethical guidelines for biomedical research on human subjects.  
(20 marks)
  
3. Write short notes on:
  - 3A. Subpoena.
  - 3B. Automatism and criminal responsibility.
  - 3C. Defensive medical practice.
  - 3D. Value of medical evidence in a rape case.
  - 3E. Precipitate Labour.
  - 3F. Concealed injuries.

(10×6 = 60 marks)



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## MANIPAL UNIVERSITY

MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER III: FORENSIC PATHOLOGY

Friday, April 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss mechanisms of head injury.

(20 marks)

2. Discuss the evidentiary materials in violent Asphyxial deaths.

(20 marks)

3. **Write short notes on:**

3A. Autopsy techniques

3B. Paradoxical undressing

3C. Stab wounds

3D. Filigree burns

3E. Radiation injuries

3F. Color changes after death

(10×6 = 60 marks)



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## MANIPAL UNIVERSITY

MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER IV: TOXICOLOGY AND RECENT ADVANCES IN FORENSIC MEDICINE

Saturday, April 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss the reasons for negative chemical analysis.

(20 marks)

2. Discuss role of decontamination in poisoning cases.

(20 marks)

3. **Write short notes on:**

3A. Designer drugs.

3B. Substance abuse.

3C. Ethical and legal issues of Narco analysis.

3D. Legal liability for transmitting HIV.

3E. Botulism.

3F. Absorption Elution Technique.

(10×6 = 60 marks)

