

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2006

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

Monday, April 03, 2006

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. "One photograph is worth a thousand words". Discuss this statement in relation to the scene of crime occurrence. Add a note on 'Chance prints'.

(30 marks)

2. Discuss the importance of hair analysis as evidence in forensic cases.

(30 marks)

3. Write short notes on:

3A. Identification of the dead from dentition.

3B. Collection, preservation and identification of seminal stains.

3C. Hyoid bone.

3D. Genetics and serology of the HLA – system.

(10×4 = 40 marks)



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MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2006

**SUBJECT: PAPER II: MEDICAL JURISPRUDENCE (ETHICS & LEGAL PROCEDURE)
AND CLINICAL FORENSIC MEDICINE**

Tuesday, April 04, 2006

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

1. Discuss the establishment of identity from human remains. Add a note on frontal sinus prints.
(30 marks)

2. Discuss the contributory and ancillary factors in deaths from fires. Add a note on investigation of explosives.
(30 marks)

3. Write short notes on:

3A. "Munchausen's by proxy" syndrome.

3B. Defensive medical practice.

3C. Automatism and criminal responsibility.

3D. Techniques designed to increase wounding potential of bullets.

(10×4 = 40 marks)



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MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2006

SUBJECT: PAPER III: PATHOLOGY AND TOXICOLOGY

Wednesday, April 05, 2006

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss the routine guidelines for autopsy and investigation of pregnancy related maternal deaths. Add a note on trophoblastic tissue embolism.

(30 marks)

2. Discuss the interpretation of artifacts in forensic pathology. Add a note on toxicological artifacts.

(30 marks)

3. Write short notes on:

3A. Rigor mortis.

3B. Fumes and noxious gases.

3C. Drunkenness and criminal responsibility.

3D. Preservation of material for forensic entomological study.

(10×4 = 40 marks)



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MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2006

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

Thursday, April 06, 2006

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

1. Discuss the ethical and legal practice of infertility management. Add a note on seminal fluid analysis.

(30 marks)

2. Describe the advanced analytical methods applied to post-mortem samples. Add a note on functioning of Forensic Science Laboratories.

(30 marks)

3. Write short notes on:

3A. Wrongful life and wrongful birth.

3B. Sinus prints.

3C. Enzyme histochemistry.

3D. Advances in DNA evidence.

(10×4 = 40 marks)



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