

MANIPAL UNIVERSITY

MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER I: BASIC SCIENCES AND ALLIED SUBJECTS AS APPLICABLE TO
FORENSIC MEDICINE

Wednesday, April 01, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss Forensic Microbiology.

(15 marks)

2. Discuss wound healing.

(15 marks)

3. Write short notes on:

3A. Paternity tests

3B. Vascular supply of stomach

3C. Estimation of Stature

3D. Renal function tests

3E. Oedema

3F. Hyaline membrane disease

3G. Acute tubular necrosis

3H. Spectroscopic examination of blood

3I. Foetal haemoglobin

3J. CSF in Forensic Medicine

(7 marks × 10 = 70 marks)



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SUBJECT: PAPER II: CLINICAL FORENSIC MEDICINE & MEDICAL JURISPRUDENCE

Thursday, April 02, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. “Cross examination is a double edged sword”. Discuss (15 marks)

2. Discuss fabricated sexual assaults. (15 marks)

3. Write short notes on:

3A. Grievous hurt

3B. Hymen

3C. Finger prints

3D. Shaken baby syndrome

3E. Live birth

3F. Placenta

3G. Elder abuse

3H. State Medical council

3I. Damages

3J. Sterilisation

(7 marks × 10 = 70 marks)



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SUBJECT: PAPER III: FORENSIC PATHOLOGY AND TOXICOLOGY

Saturday, April 04, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. A bundle of bones has been forwarded to you for your expert opinion. How would you proceed to assist the law, bearing in mind recent advances in this field?

(15 marks)

2. Discuss the problems involved in establishing the cause and manner of death in bodies recovered from water.

(15 marks)

3. **Write short notes on:**

3A. Postmortem artefacts

3B. Embalming

3C. Forensic odontology

3D. Forensic serology

3E. De-addiction centre

3F. Botulism

3G. Hallucinogens

3H. Methyl isocyanate

3I. Breathalyser

3J. LD-50

(7 marks × 10 = 70 marks)



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**SUBJECT: PAPER IV: APPLIED ASPECTS OF CLINICAL DISCIPLINES,
FORENSIC SCIENCES AND RECENT ADVANCES IN FORENSIC MEDICINE AND
FORENSIC PSYCHIATRY**

Monday, April 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

Long Essays:

1. Microscopes in Forensic Medicine. (15 marks)

2. Restraint of a mentally ill person. (15 marks)

Write short notes on:

3A. Medical Records as evidentiary material

3B. Narco-interrogation

3C. Autopsy and Clinical audits

3D. MERMER

3E. Care and Protection of Children Act 2007

3F. Rave parties

3G. Stem cell research

3H. Thin layer chromatography

3I. Identification of individuals with DNA testing

3J. Medicolegal aspect of sex reassignment and sex conversion surgery

(7 marks × 10 = 70 marks)

