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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2018**

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

Monday, April 02, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL the questions.**

**✍ Long Essays:**

1. Discuss the Forensic anatomy of the Heart.

(15 marks)

2. Discuss the Forensic Anatomy of the Skin and Appendages.

(15 marks)

3. **Write short notes on:**

3A. Vagal Inhibition

3B. ATP

3C. Status Thymaticolymphaticus

3D. Human Immunodeficiency Virus

3E. Clostridium Botulinum

3F. Strap muscles of neck

3G. Forensic Importance of the Scalp

3H. Gastric Emptying

3I. Liver function tests

3J. Perineum

(7 marks × 10 = 70 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2018**

**SUBJECT: PAPER II: CLINICAL FORENSIC MEDICINE & MEDICAL JURISPRUDENCE**

Tuesday, April 03, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the medico-legal aspects of abortion.

(15 marks)

2. Role of a Forensic physician in an emergency room.

(15 marks)

3. **Write short notes on:**

3A. Informed Consent

3B. Custodial Rape

3C. Doctor in a witness box

3D. Concurrent Negligence

3E. Infantile Whiplash Syndrome

3F. Medical Indemnity Insurance

3G. Hymenal injuries

3H. Medical council of India

3I. Standard of care

3J. Istanbul Protocol

(7 marks × 10 = 70 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2018**  
**SUBJECT: PAPER III: FORENSIC PATHOLOGY AND TOXICOLOGY**

Wednesday, April 04, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the patho-Physiology of formation of 'Emboli'. How will you demonstrate air embolism and Fat embolism during autopsy?  
(15 marks)

2. What do you understand by 'Hooch Tragedy'? Describe the signs and symptoms, fatal dose and period, postmortem finding and method of sending Viscera and treatment of poisoning by 'Wood Alcohol'.  
(15 marks)

3. **Write short notes on:**

3A. Acute cyanide poisoning

3B. Fish poisoning

3C. Differential Diagnosis of dilated and constricted pupil.

3D. Autopsy findings in a case of electrocution death.

3E. Postmortem artifacts

3F. Cantherides

3G. Medico-Legal aspects of Human organ transplantation.

3H. Neonatal cold injury

3I. De addiction centers

3J. Histopathological findings and Medico legal aspects of Hypertrophy obstructive cardio myopathy.

(7 marks × 10 = 70 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**MD (FORENSIC MEDICINE) DEGREE EXAMINATION – APRIL 2018**

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

Thursday, April 05, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss evolution of tests / standards for criminal liability. (15 marks)

2. Discuss forensic photography. (15 marks)

3. **Short Notes:**

3A. Plastination

3B. Polonium Poisoning

3C. Polygraph

3D. Brain finger printing

3E. Bio-terrorism

3F. Nanotechnology

3G. Substance abuse

3H. Incamera trial

3I. Legal and Ethical aspects of Surrogacy

3J. Stem cell research

(7 marks × 10 = 70 marks)

