

MANIPAL ACADEMY OF HIGHER EDUCATION**THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – NOVEMBER 2024****SUBJECT: MFS 701 – FORENSIC MEDICINE TOXICOLOGY AND PHARMACOLOGY**

Monday, November 11, 2024

Time: 10:00 – 12:30 Hrs.

Maximum Marks: 50

✍ **Answer ALL the questions.**

✍ **Long Answer Questions:**

1. Describe the post-mortem findings in case of ligature strangulation. Add a note on traumatic Asphyxia.

(7+3 = 10 marks)

2. Describe the clinical features and treatment of ethyl alcohol poisoning. Add a note of Methyl alcohol poisoning

(7+3 = 10 marks)

3. **Write short notes on:**

3A. Joule Burns.

3B. Bars body and Davidson body.

3C. Evidentiary materials to be collected from victim of sodomy.

3D. Features of incised and stab wound

3E. Examination in chief

3F. Opium

(5 marks × 6 = 30 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – NOVEMBER 2024****SUBJECT: MFS 705 – LEGAL SCIENCE AND CRIMINAL LAW**

Tuesday, November 12, 2024

Time: 10:00 – 12:30 Hrs.

Maximum Marks: 50

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Explain the laws relevant to the regulation of working conditions of child worker.
(10 marks)

2. Discuss the salient features of the Intellectual property Act with suitable examples.
(10 marks)

3. **Write Short Notes on:**

3A. Role of government bodies in protection of environment.

3B. Salient features of POA Act.

3C. Ex-parte and interim court orders in domestic violence cases.

3D. Offences against the Public Tranquility (Section 141-160, IPC)

3E. Private Defense (Section 96-106, IPC)

3F. Expert evidence & Burden of Proof.

(5 marks × 6 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – NOVEMBER 2024

SUBJECT: MFS 707 – CRIMES OF NEW AGE AND SECURITY SYSTEMS

Wednesday, November 13, 2024

Time: 10:00 – 12:30 Hrs.

Maximum Marks: 50

 Answer ALL the questions.

1. Explain Air hijacking with two relevant case studies. What are the security measures to prevent it?

(10 marks)

2. Discuss in detail the different types of security measures used in the transport system, financial institutions and industries.

(10 marks)

3. Write Short Notes on:

- 3A. Tax Evasion and its impact on societal growth.
3B. Transfer of functionaries as a vigilant measure.
3C. Types of vigilance to prevent fraud in financial institutions.
3D. Departmental enquiry.
3E. Role of banks in the prevention of money laundering.
3F. Record maintenance and periodic job rotation in government sectors.

(5 marks × 6 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – NOVEMBER 2024

SUBJECT: MFS 711 – FORENSIC BALLISTICS

Thursday, November 14, 2024

Time: 10:00 – 12:30 Hrs.

Maximum Marks: 50

✍ Answer the following:

✍ Long Answer Questions:

1. Discuss in detail the injuries caused by rifled firearm

(10 marks)

2. What are gunshot residues. Mention various methods of analysis of GSR. Add a note on comparison microscope

(10 marks)

3. Write short notes on:

3A. Primer

3B. Dum Dum Bullet

3C. Moderating the propellant

3D. Ricochet Bullet

3E. Riffling

3F. Recoil of a gun

(5 marks × 6 = 30 marks)



SPON
wire gun
detail
man