

Reg. No.

# MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – FEB/MAR 2022

SUBJECT: MFS 711 – FORENSIC BALLISTICS (SPECIALIZATION)

Thursday, March 03, 2022

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ Answer the following:

✍ Long Answer Questions:

1. Discuss the autopsy procedure in firearm deaths and add a note on gun shot residue analysis.  
(6+4 = 10 marks)

2. Describe the various injuries caused by smoothbore firearm.  
(10 marks)

3. Write short notes on:

3A. Ricochet bullet

3B. Shotgun cartridge

3C. Mechanism of firing

3D. Gunshot entry wound

3E. Rifling and Choking

3F. Range of firing

(5 marks × 6 = 30 marks)



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THIRD SEMESTER M.Sc. FORENSIC SCIENCE DEGREE EXAMINATION – FEBRUARY/MARCH 2022

SUBJECT: MFS 701 – FORENSIC MEDICINE TOXICOLOGY AND PHARMACOLOGY

Monday, February 28, 2022

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ Answer ALL the questions.

✍ Long Answer Questions:

1. Classify corrosive poisons. Describe the clinical features, treatment, post-mortem appearance and medicolegal aspects of Sulphuric acid poisoning.

(2+2+2+2+2 = 10 marks)

2. Describe the mechanism of action of cyanide. Write the clinical features and treatment of cyanide poisoning.

(2+4+4 = 10 marks)

3. Write short notes on:

- 3A. Fish poisoning
- 3B. Differentiating features between cholera and arsenic poisoning
- 3C. Forensic Entomology
- 3D. Superimposition
- 3E. Steroids
- 3F. Drug abuse

(5 marks × 6 = 30 marks)

