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End Semester Examination, December 2024
M.Sc. Forensic Science – 1st Semester
Introduction to Forensic Science and Law (MSFS701)

Time: 2.5 hrs.

Max Marks: **50**

Note: *All Questions are compulsory. Marks are indicated against each question.*

PART-A

- Q.1 Attempt any five questions:
- | | |
|--|----------------|
| (a) Define forensic science and its significance in criminal investigations | [CO-1][L-1] 2 |
| (b) Name and briefly explain the three main branches of forensic science. | [CO-1] [L-1] 2 |
| (c) Describe the process of crime scene documentation | [CO-1] [L-1] 2 |
| (d) Define Chain of Custody and why is it important in forensic science? | [CO-1] [L-1] 2 |
| (e) List the contrasting features of cognizable and non-cognizable offences. | [CO-1] [L-1] 2 |
| (f) Describe the role of a forensic toxicologist in criminal investigations. | [CO-1] [L-1] 2 |
| (g) What are trace evidence and their importance in forensic investigations? | [CO-1][L-1] 2 |

2x5

PART-B

- Q.2 Discuss the role of forensic science in the criminal justice system, emphasizing its multidisciplinary nature and significance in solving crimes. [CO-2] [L-2] **10**

OR

Explain how forensic science assists in the investigation process from the crime scene to the courtroom [CO-2][L-2] **10**

- Q.3 Demonstrate the organizational structure of a forensic science laboratory using a flow chart, including the process of evidence submission and report writing for court cases. [CO-3] [L-3] **10**

OR

Illustrate the role of mobile forensic science laboratories in India, including their distribution and significance in the field of forensic investigations. [CO-3] [L-3] **10**

- Q.4 Analyze the various types of physical evidence found at a crime scene, and explain their admissibility in a court of law [CO-4] [L-4] **10**

OR

Explain blood spatter analysis, and how does it contribute to crime scene reconstruction? [CO- 4] [L-4] **10**

- Q.5 Evaluate the role of an expert witness in a courtroom, including their involvement in the direct examination, re-examination, and cross-examination and describe the importance of expert testimony in the acceptance of forensic evidence. [CO-5] [L-5] **10**

OR

Summarize the process of collection, preservation, and forwarding of physical evidence to forensic laboratories. Explain its relevance [CO- 5] [L-5] **10**