

Seat No. : _____

MC-117

March-2025

Integrated LL.B., Sem.-X

IL-509 : Forensic Science and Crime Detection Methods

Time : 2½ Hours]

[Max. Marks : 70

- Instructions :** (1) Answer **all** the questions.
(2) Figures to the right in bracket indicate marks for each question.

1. “DNA Profiling is a reliable technique to resolve various types of crimes” – Explain the statement in detail with relevant examples and case laws. **18**

OR

1. (A) Discuss the importance of fingerprints in forensic science and crime detection with relevant case laws. **10**
(B) What is a Forensic Science Laboratory (FSL) ? Discuss its role in the resolution of crimes. **8**
2. (A) Discuss the forensic science of Ballistics and its usage in the justice delivery system with case laws. **10**
(B) Explain the Constitutional validity of various modern forensic science techniques with help of landmark judgement – Selvi v. State of Karnataka (AIR 2010 SC 1974). **8**

OR

2. Explain in detail the forensic science of Narco-Analysis and Brain Mapping with the help of illustrations and landmark case laws. **18**
3. Explain the forensic science of Toxicology with the help of relevant illustrations and case laws. **18**

OR

3. (A) Discuss the Locard’s Exchange Principle with illustrations. **10**
(B) Write a short note on the functioning of the modern forensic science technique of Polygraph test. **8**

4. (A) Write short notes on the following : (Attempt any **two**) **10**
- (1) Science of Questioned Documents
 - (2) Usage of Voice Spectrograph in crime detection
 - (3) Types of Forensic Evidence
 - (4) Crime Scene
- (B) Answer in short : (Attempt any **three**) **6**
- (1) Mention the meaning and examples of cyber- crimes.
 - (2) Who is considered the father of Fingerprint and Ballistics ?
 - (3) What is usage of photographs and X-rays in crime detection ?
 - (4) What is the meaning of Expert Opinion as per Section 39 of the Bhartiya Sakshya Adhiniyam, 2023 ?
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