CLASS:- LL.M. 3rd SEMESTER

OPTIONAL PAPER PRINCIPLES OF FORENSICS AND MEDICAL JURISPRUDENCE IN CRIMINAL JUSTICE SYSTEM

Paper: 303-B Max. Marks: 100

Credits: 5
Time: 3 Hours

Note:

1. There shall be total Five Units in the question paper.

- 2. Unit-I shall contain one compulsory question having four parts of five marks each. This question shall be spread over the entire syllabus.
- 3. There shall be two questions in each Unit i.e. Unit-II to Unit-V.
- 4. The student is required to attempt four questions by selecting one question from each Unit i.e. Unit-II to Unit-V. Each question shall carry twenty marks.

COURSE OBJECTIVES:

- To Know the Concept, Object, Scope and Development of Forensic Science and its relation with Law and its Role in Administration of Justice.
- To Study the Organizational Structure and Functioning of Forensic Labs, Laboratories and other Institution in process of Criminal Investigation.
- To Examine the Significance of Crime Scene Evidences and Types of Evidences and Admissibility of Expert Evidence.
- To Understand the Technique of Investigation viz. Finger Printing, Brain Mapping, Polygraph Test, Narco Analysis, DNA Test, etc.
- To Know about the Forensic Ballistics, Injuries and Explosives.

UNIT- I

Significance of Forensic Science in Administration of Justice

- Definition, Object, Scope and development of Forensic Science,
- Relationship between Law and Forensic Science,
- Significance of Forensic Science in administration of justice
- Organizational structure of Forensic Science Labs in India: Central Forensic Science Laboratories, Forensic Science Laboratories,
- National Crime Records Bureau,
- National Institute of Criminology and Forensic Science,
- Finger Print Bureau,
- Central Detective Training School.

UNIT-II

Types of Evidence

- Crime Scene evidence;
- Preservation of evidence:
- Types of Evidence: Physical Evidence, Chemical Evidence, Biological Evidence;

- Meaning of Expert Evidence, Presentation of Expert Evidence, Admissibility of Expert Evidence,
- Crime Scene Documentation and Lab Investigation
- Forensic Evidences and Criminal Laws.

UNIT-III

Techniques of Investigation

- Concept, History, Advantages;
- Limitations and Legal Admissibility of Techniques of Investigation: Finger Printing, Brain Mapping, Lie detector, Poly graph Test, Voice Identification, Narco Analysis, DNA Test;
- Forensic Ballistics: Firearms and their classification, Bullet, Weapon, Cartridge Case Identification, Nature of injuries Entry and Exit wounds.

UNIT-IV

Analysis & Analytical Methods for detection

- Chemical and Toxicological Analysis: Drugs of Abuse & Narcotic drugs, Toxicological examination of poisons & alcohol, Toxicological examination of Viscera, Petroleum Products, Food Adulteration Explosives: Definition of Explosion & Detonation, Chemistry of explosives, Disposal& Handling,
- Fire Scene Investigation: Analysis& Interpretation of fire scenes, Fire Dynamics, Fire Debris
- Analysis & Analytical Methods for detection & Characterization.

LEARNING OUTCOME:

- ➤ The Course shall help the Students to Understand the Concept, Nature and Scope of Forensic Science and its relation with Law in Administration of Justice.
- ➤ The Students will be able to examine the Functioning of Forensic Labs, Laboratories and other Institution in Process of Criminal Investigation.
- The Course will help the Students to understand the Various Technique of Investigation viz. Finger Printing, Brain Mapping, Polygraph test, Narco Analysis, DNA Test, etc.
- > The Course shall be helpful to learn about the Forensic Ballistics, Injuries and Explosives.
- ➤ The Students will examine the significance of Forensic Science in Administration of Justice.

SUGGESTED READINGS:

1 B.R.Sharma : Forensic science in Criminal investigation and Trial.

2 Dr. Veerraghavan : Handbook of Forensic Psychology

3 Parikh : Text book of Medical Jurisprudence, Forensic Medicine and Toxicology

4 Nanda, B.B. Tewari, R.K.: Forensic Science in India: A Vision for the Twenty First Century

5 S.H.James, J.J.Norby : Forensic Science : An Introduction to Scientific and

Investigative Techniques

6 Dr. Jaishankar & Amin : Forensic Science in Criminal Investigation