

## **CTMSCS SI P5: Introduction to Forensic Science and Law**

Teaching Scheme					Evaluation Scheme								
Th	Tu	Pr	C	TCH	Theory						Practical		Total
					Internal Exams				University Exams		University Exams (LPW)		
					TA-1/TA-2		MSE		Marks	Hrs	Marks	Hrs	
					Marks	Hrs	Marks	Hrs					
03	00	00	03	03	25	00:45	50	01:30	100	03:00	-	-	200

### **Objectives**

1. About the significance of forensic science to human society and criminal investigation.
2. The fundamental principles of forensic science.
3. The divisions in a forensic science laboratory.
4. The working of the forensic establishments in India and abroad.
5. Legal aspects of forensic investigations

### **UNIT-I**

History of Development of Forensic Science in India. Functions of forensic science. Historical aspects of forensic science. Definitions and concepts in forensic sciences. Scope of forensic science. Various contemporary disciplines of forensic sciences and their applications in different approaches with theoretical concepts Need of forensic science. Basic principles of forensic science.

### **UNIT-II**

Contemporary development in the academic and practices in forensic sciences- advantage of scientific investigations- Tools and Techniques in Forensic Science- Branches of forensic science. Forensic science in international perspectives, including set up of INTERPOL, and FBI. Duties of forensic scientists. Code of conduct for forensic scientists. Qualifications of forensic scientists. Data depiction. Report writing.

### **UNIT-III**

Academic institutions involvement -Organizational set up of Forensic Science Laboratories in India Hierarchical set up of Central Forensic Science Laboratories, State Forensic Science Laboratories, Government Examiners of Questioned Documents, Fingerprint Bureaus, National Crime Records Bureau, Police & Detective Training Schools, NIA, CCNTS, Bureau of Police Research & Development, Directorate of Forensic Science and Mobile Crime Laboratories. Police Academies. National investigation agency and other agencies involved in the criminal investigations- agencies referred for the additional information and requisite examinations

### **UNIT-IV**

Definition of Law, Court, Judge, Basic Terminology in Law, Introduction to Criminal Procedure Code, FIR, Difference between civil and Criminal Justice, Object of Punishment, Kinds of Punishment, Primary and Sanctioning Rights Primary and Secondary functions of Court of Law. Law to Combat Crime-Classification – civil, criminal cases. Essential elements of criminal law. Constitution and hierarchy of criminal courts. **Criminal Procedure Code:** Cognizable and non-cognizable offences. Bailable and nonbailable offences. Sentences which the court of Chief Judicial Magistrate may pass. **Laws specific to Forensic Science:** Indian Penal Code pertaining to offences against persons – Section 121A, 299, 300, 302, 304A, 304B, 307, 309, 319, 320, 324, 326, 351, 354, 359, 362. Sections 375 & 377 and their amendments. **Indian Evidence Act** – Evidence and rules of relevancy in brief. Expert witness. Cross examination and re-examination of witnesses. Sections 32, 45, 46, 47, 57, 58, 60, 73, 135, 136, 137, 138, 141. CrPC – Sections 291, 291A, 292 & 293 in the code of criminal procedure.

## UNIT-V

Introduction to Computer and its components, different types of storage media, Category to Cyber-crime, Cyber Law, IT Act 2000 and its amendments, International Cyber Laws, Cyber Ethics, Child Sexual Abuse Material related to cyber domain, various acts related to social media, privacy and security on cyber domain, case studies.

## References:

1. B.B. Nanda and R.K. Tiwari, Forensic Science in India: A Vision for the Twenty First Century, Select Publishers, New Delhi (2001).
2. M.K. Bhasin and S. Nath, Role of Forensic Science in the New Millennium, University of Delhi, Delhi (2002).
3. S.H. James and J.J. Nordby, Forensic Science: An Introduction to Scientific and Investigative Techniques, 2nd Edition, CRC Press, Boca Raton (2005).
4. W.G. Eckert and R.K. Wright in Introduction to Forensic Sciences, 2nd Edition, W.G. Eckert (ED.), CRC Press, Boca Raton (1997).
5. R. Saferstein, Criminalistics, 8th Edition, Prentice Hall, New Jersey (2004).
6. W.J. Tilstone, M.L. Hastrup and C. Hald, Fisher's Techniques of Crime Scene Investigation, CRC Press, Boca Raton (2013)
7. Tallinn Manual on The International Law Applicable to Cyber Warfare, International Group of Experts and NATO by Michael N. Schmitt
8. IT Act 2000 and 2008 bare acts documents  
 Cyber Law in India, Satish Chandra (2017)