

# **Diploma in Fingerprint Examination**

## **(OUTLINE OF COURSE STRUCTURE)**

<b>Paper No.</b>	<b>Contact hrs</b>	<b>Title</b>
I Paper	19	Introduction to Science of Fingerprint
II Paper	19	Fingerprint Record and Taking
III Paper	19	Fingerprint Development Techniques
IV Paper	19	Identification and Comparison of Fingerprint
V Paper	19	Computer Aided Technique for identification, analysis and Comparison of fingerprint

# **Diploma in Fingerprint Examination**

## **Syllabus**

**Paper:- II**

**Contact hrs:-19**

### **Introduction to Science of Fingerprint**

Definitions of Fingerprints ,other definition associated with Fingerprints, Outline of the History of Fingerprints, development of fingerprints in India , formation of ridges, fingerprint patterns ,Loop Pattern ,Radial and Ulnar Loops ,Other Issues Pertaining to Loops ,Plain Arch and Tented Arch Patterns ,the Whorl Pattern ,Whorl pattern types, pattern areas, classification of fingerprints – Henry system of classification, single digital classification, extension of Henry system, search of fingerprints, fingerprint bureau.

**Paper:- II**

**Contact hrs:-19**

### **Fingerprint Record and Taking**

The Crime Scene Search of Fingerprint, Taking of finger prints from living and dead persons, Taking plain and rolled inked fingerprints , preserving and lifting of fingerprints, photography of fingerprints, digital transmission .

**Paper:-III**

**Contact hrs:-19**

### **Fingerprint Development Technique**

Development of latent fingerprints, Fingerprint development reagents, conventional methods of development of fingerprints – fluorescent method, magnetic power method, fuming method, chemical method etc., application of laser and other radiations to develop latent fingerprints, metal deposition method and development of latent print on skin, adhesive tape, Firearms, Cartridge case

**Paper:-IV**

**Contact hrs:-19**

### **Identification and Comparison of Fingerprint**

Identification and comparison of fingerprints, basis of comparison, class characteristics, individual characteristics, various types of ridge characteristics, Performing the ridge tracing and ridge counting.. Identification of ridge characteristics.

**Paper:-V**

**Contact hrs:-19**

**Computer Aided Technique for identification, analysis and Comparison of fingerprint**

Digital imaging and enhancement, Introduction, data compression, image processing techniques, legal requirements, standard procedures for fingerprint imaging, case examples Automated fingerprint identification system.