Syllabus for the post of Assistant Director (Voice Analysis) in H.P. State Forensic Science Laboratory, Home Department, H.P.

Unit-I


Unit-II


B. Voice Identification and Authentication: Principles of voice identification and its forensic importance, History and scope of Voice Analysis, Voice production theory, Components of voice identification- feature extraction, speaker profiling, normalization techniques, enhancement of speech signal/audio recordings, pattern matching and comparison; Approaches to voice identification- Segregation of Speech samples, auditory analysis/ listener’s approach, automatic Voice identification technique, spectrographic approach, frequency & time domain representation of speech signal, acoustic parameters for examining speech samples, phonetic Transcription, linguistic & phonetic analysis, Temporal measurement, Fourier analysis, analogue to digital conversion; Type of alterations and methods for establishing authenticity of audio samples; Present scenario of Voice identification Technique.

(80 question of 80 marks)

Unit-III

Ten (10) questions consisting of General Knowledge pertaining to state of Himachal Pradesh

Ten (10) questions consisting of General Knowledge of National & International affairs

(20 questions of 20 marks)

The Screening Test (CBT/Offline) will be of 100 marks of two hour duration.