HP BOARD OF DEPARTMENTAL EXAMINATION
HIMACHAL PRADESH SESSION, OCTOBER, 2015

PAPER-3 **RULES & ACTS FOR STATE FORENSIC SCIENCE LABORATORY DEPTT. (TECH.) (WITHOUT BOOKS)**

TIME ALLOWED: 3 HOURS. **MAXIMUM MARKS: 100**

NOTE:
1. Attempt five questions only. Question No. 1 is compulsory.
2. All questions carry equal marks.

Q.1 Write short notes on:-

a) mt DNA

b) Whorls

c) Skid Marks

d) Benzedine Test (5X4= 20)

Q.2 Define Locard's Principle. Explain with suitable illustrations in reference to criminal justice system. (20)

Q.3 What is explosion? Discuss role of forensic experts at the scene of occurrence and its significance. (20)

Q.4 Write short notes:-

a) Absorption inhibition method

a) Designer Drugs

b) Rifled Firearm

c) RDX (5X4= 20)

Q.5 a) Differentiate between high explosive and low explosive.

b) Differentiate between natural and synthetic signature. (10X2= 20)

Q.6 Direction of fire, angle of fire and type of weapon can be ascertained from gunshot injuries. Comment. (20)

Q.7 Describe classification of poison. Explain method of detection of alcohol from blood sample. (20)

Q.8 Define finger prints. Discuss modern methods of developing finger prints. (20)

Q.9 What is forensic psychology? Discuss theory, technique and scope of polygraph and its applications. (20)