

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc., Winter 2019-20 Examination

Semester: 1

Subject Code: 11207110

Subject Name: Fingerprint and Other Impression Evidences

Date: 28/11/2019

Time: 10:30am to 1:00pm

Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Brief note (08)**
 Write a note on Extension of henry's 10-digit classification system.
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Brief note (2x2)/ Schematically labels the figures (2x2) (Each of 02 marks)
 1. Labeled diagram of anatomy of Skin layers.
 2. How many types of prints could find from crime scene? brief it.
 (b) Write a note on Fingerprint development, lifting and preservation. (08)
- Q.2. A) Answer the following questions. (04)**
 (a) Brief note (2x2)/ Fill in the blanks. (Each of 02 marks)
 1. Write on applications of alternative light source to develop latent fingerprint.
 2. Write a composition of invisible print.
 (b) What is the full form of AFIS? Write on its working methods in detail. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks)
 1. Which chemical treatment produces a yellow brown – appearing latent print?
 (A) Super glue (B) Iodine
 (C) Ninhydrin (D) Silver nitrate
 2. Index finger is also known as _____.
 3. Cheiloscopy is the study of _____.
 (b) Write a short note on preservation and lifting of fingerprints from death person. (03)
 (c) Write a note forensic significance of ear print. (03)
- Q.3. A) Brief note (4x2) (Each of 04 marks) (08)**
 Classify fingerprints on the basis of patterns formed with the combination of curved ridges and delta(s).
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks)
 1. Draw the patterns: i) Central pocket loop, ii) Elliptical whorl, iii) Tented Arch, iv) Nutant Loop.
 2. What are the methods for collection of control samples? Write for Lip prints and its forensic significance.
 (b) Write a note on Footprints lifting from different Surfaces. (04)
 (c) Write a note on forensic significance of tyre marks. (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Write a note on Gait pattern analysis. (04)
 (b) Write a brief on individual ridge characteristics. (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks)
 1. The angle between two-foot line is called _____.
 2. Which method is used for lifting patent footprint impression?
 3. A small ridge characteristic is known as -
 (b) Write in detail: Classification, lifting and comparison of Lip prints. (03)
 (c) Write a short note on face recognition. (03)