

M.Sc Semester-2 Examination

407

Forensic Science

April-2024

Fingerprint and Impressions

Time: 2.30 Hrs]

[Max Marks: 70

Instructions: Illustrate your answers with neat diagrams wherever necessary.

Que 1 Write the following

- (i) Explain in detail about taking fingerprints from a dead body. (7 Marks)
- (ii) Write a detailed note on Edgeoscopy. (7 Marks)

OR

- (i) Explain the forgery of fingerprints and Poroscopy in detail. (7 Marks)
- (ii) Describe the classification of Fingerprint Patterns with figures. (7 Marks)

Que 2 Write the following

- (i) In detail, write Henry's Primary classification and perform the primary (7 Marks) classification for the given 10-digit slip.

A.

\	W	W	/	W
W	W	/	/	W

B.

W	\	W	W	W
W	W	/	/	/

- (ii) Write the Secondary, Sub-secondary, and Final classification of Henry's 10-digit (7 Marks) classification.

OR

- (i) What is Ridge Counting and Ridge Tracing? Explain with classification and (7 Marks) figures.
- (ii) Write a detailed note on "AFIS". (7 Marks)

Que 3 Write the following

- (i) Discuss the classification of chance print and the Powder method for developing (7 Marks) chance print.
- (ii) Write a detailed note on Chemical and Fuming methods for the development of (7 Marks) chance print.

OR

- (i) What are Minutiae? Explain the types of Minutiae with figures. (7 Marks)
- (ii) Write a detailed note on the Comparison of Fingerprints. (7 Marks)

Que 4 Write the following

- (i) Write a note on examination of types of tool marks for forensic investigation. (7 Marks)
- (ii) Write a note on preservation and examination of foot prints collected on crime scene. (7 Marks)

OR

- (i) In a traffic accident, what is the importance of tyre and skid marks? Explain in detail (7 Marks)
- (ii) Give detailed analysis of lip print examination with its classification and collection methods for forensic analysis. (7 Marks)

Que 5 Attempt any seven out of twelve

(14Marks)

- (i) Define: 1. Pattern Area
2. Twinned Loop
- (ii) List down the principles of Fingerprint.
- (iii) Define: 1. Friction Skin
2. Furrows
- (iv) Draw the valued and unvalued pattern sign in 10 digits against the primary classification.

32
28

- (v) Define: 1. Meeting Whorl
2. Outer Loop
- (vi) Write the conditions for classifying the fingerprints with missing fingers.
- (vii) What are the factors affecting the duration of latent prints on a surface?
- (viii) Write down the composition of Sweat.
- (ix) Define: 1. Change Over
2. Interruption
- (x) Which instrument is used to examine the tool marks?
- (xi) What is gait pattern?
- (xii) Define: Cheiloscopy
