# KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

**(3 Pages)** **Reg. No: ……**

**Question Code: 26E03408** **Course Code : 24UMCF32**

**UG Degree - End Semester Examinations, April 2026**

**Third Semester**

**B.Sc. CRIMINOLOGY AND FORENSIC SCIENCE**

**Dactylography**

**(For those who joined in July 2025 onwards)**

**Time : 3Hours** **Maximum : 75 Marks**

**PART – A (10 × 1 = 10 Marks)**

**Answer ALL Questions**

**Choose the correct answer :**

CO:1 K:1 1. The study of fingerprints is known as

(a) Ballistics (b) Dactylography

(c) Toxicology (d) Serology

CO:1 K:2 2. Fingerprints are considered reliable because they are

(a) Changeable (b) Permanent and unique

(c) Temporary (d) Artificial

CO:2 K:1 3. Friction ridges are formed in the

(a) Dermal layer (b) Epidermal layer

(c) Bone (d) Hair follicle

CO:2 K:2 4. Galton's details refer to

(a) Pattern types (b) Ridge characteristics

(c) Ink method (d) Court evidence

CO:3 K:1 5. Ridge counting is mainly used in

(a) Pattern comparison (b) Chemical analysis

(c) DNA typing (d) Toxicology

CO:3 K:2 6. Inked fingerprint specimen is prepared for

(a) Decoration (b) Official record and comparison

(c) Photography only (d) Chemical testing

CO:4 K:1 7. Henry System is used for

(a) Development (b) Classification

(c) Photography (d) Chemical testing

CO:4 K:2 8. Core and Delta are features of

(a) Tool marks (b) Pattern area

(c) Blood stain (d) Bullet

CO:5 K:1 9. Black powder method is a

(a) Chemical method (b) Physical method

(c) Biological method (d) Digital method

CO:5 K:2 10. Cyanoacrylate fuming is mainly used to develop

(a) Visible prints (b) Latent prints

(c) Ink prints (d) Patent prints

**PART – B (5 X 5 = 25 Marks)**

**Answer ALL Questions choosing either (a) or (b).**

**Answer should not exceed 250 words.**

CO:1 K:3 11. (a) Explain the history and development of fingerprints.

**(OR)**

(b) Discuss the principles of fingerprints as forensic evidence.

CO:2 K:3 12. (a) Explain the biological basis of friction ridges.

**(OR)**

(b) Discuss the basic fingerprint pattern types.

CO:3 K:4 13. (a) Analyze the method of making an inked fingerprint specimen.

**(OR)**

(b) Examine the importance of ridge counting and tracing in comparison.

CO:4 K:3 14. (a) Explain the Henry system of classification.

**(OR)**

(b) Discuss the single digit classification method.

CO:5 K:3 15. (a) Explain various physical methods of fingerprint development.

**(OR)**

(b) Discuss the chemical and fuming methods of developing latent prints.

**PART – C (5 X 8 = 40 Marks)**

**Answer ALL Questions choosing either (a) or (b).**

**Answer should not exceed 500 words.**

CO:1 K:4 16. (a) Analyze the importance of fingerprints in criminal investigation.

**(OR)**

(b) Evaluate the contribution of important figures in fingerprint science.

CO:2 K:5 17. (a) Critically evaluate ridge characteristics used in fingerprint comparison.

**(OR)**

(b) Assess the interpretation of fingerprint pattern areas.

CO:3 K:4 18. (a) Analyze the protocols followed in fingerprint comparison.

**(OR)**

(b) Evaluate the process of taking fingerprints from living and dead persons.

CO:4 K:5 19. (a) Critically examine fingerprint classification systems.

**(OR)**

(b) Assess the role of Fingerprint Bureau in criminal justice system.

CO:5 K:4 20. (a) Analyze the various methods of development and lifting of latent fingerprints.

**(OR)**

(b) Evaluate the role of modern fingerprint lab equipment in investigation.