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II SEMESTER BA EXAMINATION, JULY/AUGUST 2023

SCHEME: SEMESTER (NEP)

037

CRIMINOLOGY AND FORENSIC SCIENCE (OE)

FINGER PRINT SCIENCE

Time: 2 ½ Hours

Max. Marks: 60

Instructions to Candidate: Answer questions from Part A, B and C.

PART – A

1. Answer any FIVE questions of the following in about 50 words. 5x2=10
- a. Write the main types of finger print pattern? CO1 LL1
  - b. What is finger print? CO1 LL1
  - c. What are the three types of footprints? CO3 LL1
  - d. What are chance prints? CO2 LL1
  - e. What are some common types of chance prints found at crime scenes? CO2-LL1
  - f. What are the main advantages of using digital imaging in forensic investigations? CO3 LL1
  - g. What are the primary ridge characteristics used in finger print analysis CO1 LL1

PART – B

- Answer any FOUR questions of the following in about 300 words. 4x5=20
2. How does the Henry's classification system for fingerprints work, and what are its key characteristics? CO1 LL2
  3. What are footprints and how do they signify in terms of human identification and tracking? CO3 LL2
  4. Discuss the role of environmental conditions such as temperature and humidity in the preservation of developed finger print? CO2 LL2
  5. What are the fundamental principles underlying the uniqueness and permanence of finger prints? CO1 LL2
  6. What are the key steps involved in the digital imaging process for fingerprint enhancement? CO2 LL2
  7. What are the unique characteristics and properties of Arch finger print patterns? CO1 LL2
  8. How does the composition of a surface affect the visibility and recovery of latent fingerprint? CO1 LL2
  9. Write the contribution of Francis Galton in the field of Finger Print Science? CO1 LL2

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PART – C

Answer any THREE questions of following in about 500 words.

3x10=30

10. Write the brief history and meaning of fingerprints and its significance in crime investigation? CO1 LL2
11. Explain the procedure of development of latent finger prints using powder techniques? CO2 LL1
12. What are the common methods used for recording plain fingerprints and how do they differ from methods used for rolled fingerprints? CO1 LL2
13. What are the challenges or limitations in obtaining high quality latent fingerprint for analysis? CO2 LL2
14. What are palm prints and how do they differ from fingerprints in terms of their characteristics and pattern? CO3 LL2

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