



**NAM-003-001657** Seat No. \_\_\_\_\_

**B. Sc. (Forensic Science) (Sem. VI) (CBCS) Examination**  
**March / April - 2017**

**FS - 601 : Fingerprint & Questioned Documents**

**Faculty Code : 003**  
**Subject Code : 001657**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :** (1) This question paper contains three questions. All are compulsory.  
(2) Draw neat and labeled diagrams wherever necessary.  
(3) Figure to the right indicate marks.

**1** Give the answers of following questions : **20**

- (1) Ridge count in middle finger more than 11 is it Inner, Outer or Meeting ?
- (2) If one finger is missing then for classification, Digits of opposite hand's finger is considered. True or false?
- (3) When 2 fingers are webbed in left hand the sequence for classification is Same or Reversed?
- (4) Fingerprints are Mutable. True or False?
- (5) Ridge Characteristics are also called Minutiae is it true?
- (6) Full form of RUVIS is.....
- (7) Ninhydrin reacts with ..... of sweat to give violet colour print.
- (8) Latent prints developed by Iodine fuming are made permanent by treating with.....
- (9) % of different fingerprint pattern in human population.
- (10) Types of whorl.
- (11) Define core.
- (12) Define delta.
- (13) Methods for the forgery of fingerprint.

- (14) Define signature.
- (15) Types of simulation forgery.
- (16) Solvent system for TLC of ink.
- (17) Basic methods of disguise.
- (18) Type of passports on the basis of size.
- (19) How many optical security codes on the cover page of passport?
- (20) One rupee note bears the signature of \_\_\_\_\_ and other denomination of notes bears the signature of \_\_\_\_\_ .

**2** Give the answers of following questions as per instruction :

(a) Write any three out of six : **6**

- (1) Define ridge and type line
- (2) Characteristics of fingerprint.
- (3) Why "I" figure is added in numerator and denominator in 1° classification?
- (4) Give the rules to be followed in case of missing fingers.
- (5) What are the rules for webbed fingers?
- (6) Draw primary classification of

|   |   |   |   |   |
|---|---|---|---|---|
| W | W | W | W | W |
| W | / | W | W | W |

(b) Write any three out of six : **9**

- (1) Define all Arch patterns.
- (2) Explain fuming techniques for fingerprint development.
- (3) Define ridge and Explain ridge characteristics.
- (4) Define whorl and Rules to be followed in Ridge tracing.
- (5) Write about symbol used in classification.
- (6) Classification of deformed or missing fingers and oddity fingers.

- (c) Write any two out of five : **10**
- (1) Describe Henry's ten digit classification.
  - (2) Give history of fingerprint.
  - (3) Explain arch and loop.
  - (4) Give the name of fingerprint pattern and explain the primary and secondary classification of fingerprint.
  - (5) Sweat composition and sweat glands.

**3** Give the answers of following questions as per instruction :

- (a) Write any three out of six : **6**
- (1) Give the example of individual characteristics.
  - (2) What is sequence of strokes? Give its significance.
  - (3) What is disguised writing of anonymous letter?
  - (4) Write about the physical appearance of Indian passport.
  - (5) Most common types of documents encountered in forensic cases.
  - (6) Cases involving Question document.

- (b) Write any three out of five : **9**
- (1) Security features of Indian passport.
  - (2) What is natural variation and reason behind this?
  - (3) Explain -"Movements in handwriting.
  - (4) Care and handling of document during forensic analysis.
  - (5) Define document, question document and nature of problems related to question document.

(c) Write any two out of five. 10

- (1) Write a note on individual characters of hand writing and natural variation.
  - (2) Describe security features of Indian currency notes.
  - (3) Write a note on Addition, alterations and obliterations.
  - (4) Explain different types of forgeries.
  - (5) What are handwriting principles? Explain.
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