



AAG-003-001657 **Seat No. _____**

B. Sc. (Forensic Sci.) (Sem. VI) (CBCS) Examination

April / May - 2016

FS - 601 : Fingerprints & Question Documents

Faculty Code : 003

Subject Code : 001657

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

[Total Marks : 70]

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

1 Choose the correct answer among MCQ : **20**

- (1) The primary and secondary ridges are _____.
(A) The blue print for the surface friction ridges
(B) The replica of the surface friction ridges
(C) The supporting ridges for the surface friction ridges.
(D) None
- (2) Historic contract was given by _____.
(A) Nehemiah Grew (B) William Hershel
(C) Thomas Bewick (D) Francis Galton
- (3) Ninhydrin develops latent fingerprint by reaction with
(A) Fatty acid (B) Sodium chloride
(C) Amino acid (D) Glucose

(10) Law provided for preparing F.I. slip is in _____
(A) IEA
(B) CrPC
(C) IPC
(D) Identification of Prisoners Act, 1920.

(11) The book entitled "Questioned Document" was written by _____
(A) Harrison (B) Hilton
(C) A. Osborn (D) Quirk

(12) Obliterations can be defined as _____
(A) Removing writing with mechanical means
(B) Removing writing with chemical means
(C) Covering the writing with colored matter
(D) None of the above

(13) The starting embellishment stroke is called
(A) Beard (B) Shoulder
(C) Bulb (D) Foot

(14) Rs. 500 note has _____ shape Braille mark.
(A) ◊ (B) O
(C) Δ (D) □

(15) Fictitious means _____
(A) No existence (B) Hidden identity
(C) Stranger (D) None

(16) Charred documents are generally _____ in nature.
(A) Rigid (B) Elastic
(C) Fragile (D) Hard

(17) Which of the following disease affect handwriting ?

(A) Chronic leukemia (B) Chronic malaria

(C) Parkinsonism (D) Thalassemia

(18) The following is a sign of forgery,

(A) Retouching (B) Connecting strokes

(C) Pen lifts (D) All of the above

(19) Copy prepared by superimposing the document is called _____.

(A) Traced forgery (B) Simulated forgery

(C) Free hand forgery (D) Asymmetrical forgery

(20) Indented writings are _____

(A) Invisible

(B) Coding

(C) Marginal

(D) Sub-surface impressions

2 Answer the following questions :

(a) Give the answers shortly : (any **three**) 6

(1) Define fixed points in finger print.

(2) Give rules to be followed in ridge counting.

(3) What is the purpose of taking finger print ?

(4) Define questioned document and tremors in handwriting.

(5) What do you mean by class characteristics in handwriting ?

(6) Describe writing movements.

(b) Give the answer of any three out of six : 9

(1) Do the fingerprint classification of :

a	T	W	R	\ 5 ridge count
w	W	/ 12 ridge count	/ 9 ridge count	a

LI and LM are webbed

(2) Elaborate "Milestones in the history of fingerprint science".

(3) Explain with probability that "no two individuals in this universe can have same fingerprint."

(4) Write a note on currency note security features.

(5) Write a note on "Disguised handwriting".

(6) Give the classification of Anonymous letters.

(c) Give the answer of following questions in detail : 10
(any Two)

(1) Describe fingerprint patterns.

(2) Explain development of latent fingerprint.

(3) How will you classify deformed or missing fingers for recording ? (with example)

(4) Give the preliminary examination of documents and basis of handwriting identification.

(5) How will you determine the sequence of strokes and describe slant in writing.

3 Give the answer of following question :

(a) Give the answers shortly : (any **three**) 6

- (1) Write down the name of appliances for taking finger impression slips.
- (2) Explain the unvalued finger print pattern.
- (3) What is next III _____ and IMO _____ ?
- (4) What are holographic documents and indented writings ?
- (5) Give handwriting principles and handwriting identification principles.
- (6) Define charred documents and its collection from the crime scene.

(b) Give the answer of any three out of six: 9

- (1) How can you detect forged print ?
- (2) Draw full Henry classification of

\ 15	\ 11	\ 10	\ 9	\ 12
/ 12	/ 7	/ 12	/ 12	/ 10

- (3) Give the composition of sweat and the secretary glands of sweat.
- (4) What are natural and request specimen in handwriting examination ?
- (5) Determination of age of document.
- (6) Write a note on security features of passport.

(c) Give the answer of following questions in detail : **10**

(any **Two**)

- (1) Give the importance of fingerprint as evidence in forensic science and why plain prints are taken on F.I. slip ?
- (2) Explain fingerprint classification formula of Sir E.R. Henry.
- (3) Give the fuming methods for fingerprint development.
- (4) Differentiate natural variation and disguised handwriting.
- (5) What is ESDA ? Give its working and importance.
