

(49)

Seat No.: \_\_\_\_\_

No. of Printed Pages : 2

**SARDAR PATEL UNIVERSITY**

**B.Sc. Examination; Semester -II (NC)**

SATURDAY, 22<sup>nd</sup> October, 2016

**US02EFSC12: FUNDAMENTALS OF FORENSIC SCIENCE**

TIME- 02:00PM – 04:00PM

TOTAL MARKS- 70

**Q-1 Multiple Choice Questions:**

**(10)**

- 1) Impression caused by shoe is called as \_\_\_\_\_ prints.  
(a) Foot (b) Palm  
(c) Shoe (d) Toe
- 2) \_\_\_\_\_ is the outermost layer of skin.  
(a) Dermis (b) Endodermis  
(c) Epidermis (d) Subcutaneous
- 3) \_\_\_\_\_ is not a component of sweat.  
(a) Water (b) Carbon  
(c) Urea (d) Minerals
- 4) Method based on measurement of volume is known as \_\_\_\_\_.  
(a) Gravimetry (b) Titrimetry  
(c) Thermogravimetry (d) Thermodynamics
- 5) Fullform of GC is \_\_\_\_\_.  
(a) Gas Chromatography (b) Glass Chromatography  
(c) Gas Column (d) None of these
- 6) \_\_\_\_\_ is examined by forensic serologist.  
(a) Body Fluids (b) Lip print  
(c) Chemicals (d) Finger print
- 7) An average adult has about \_\_\_\_\_ litres of blood inside their body.  
(a) 2 (b) 3  
(c) 5 (d) 7
- 8) \_\_\_\_\_ is also known as Discs.  
(a) Platelets (b) Thrombocytes  
(c) Both a & b (d) None of the above
- 9) Pseudonymous document shows \_\_\_\_\_ identity of writer.  
(a) True (b) False  
(c) Correct (d) Incorrect
- 10) \_\_\_\_\_ is a document, a person executes to allocate his wealth and property .  
(a) Bills (b) Wills  
(c) Natural Variation (d) Tickets

**Q-2 Short Questions: (Any Ten)**

(20)

1. List out the lifting methods of Footprint.
2. Define Sunken print.
3. What do you mean by Cheiloscopy?
4. Explain Distillation.
5. How is chemistry helpful in Forensic Field?
6. Give the fullform of XRF and TLC.
7. Enlist the various component of Human Blood.
8. State Benzidine test for blood.
9. Explain RBC.
10. What is forgery?
11. Define Question Document.
12. Explain Natural Variation.

**Q-3(A) Explain in detail Gait Pattern.**

(5)

**(B) Classify Lip Print in detail with diagram.**

(5)

**OR**

**Q-3(A) Describe different types of Blood Group in detail.**

(5)

**(B) Define Blood and explain Haemochromogen Crystal Test**

(5)

**Q-4(A) Describe in brief Forensic Chemistry.**

(5)

**(B) Give preliminary test for Blood, Gold and Tobacco.**

(5)

**OR**

**Q-4(A) Explain Collection of Admitted Writings or Specimen.**

(5)

**(B) How to preserve various types of Documents at crime scene?**

(5)

**Q-5(A) Write short note on Introduction of Blood.**

(5)

**(B) Give Forensic Significance of Blood.**

(5)

**OR**

**Q-5(A) Explain Structure of Skin with the help of diagram.**

(5)

**(B) Give the History and Basic Principles of Fingerprint.**

(5)

**Q-6(A) Explain the Basic Principles of Handwriting.**

(5)

**(B) State the various Types of Document.**

(5)

**OR**

**Q-6(A) Explain Physical and Chemical Properties of Compound.**

(5)

**(B) Give various Micro Chemical methods in analysis of Forensic Science.**

(5)