

SC

(71)

SEAT No. _____

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SARDAR PATEL UNIVERSITY
F.Y.B.Sc. (Semester-II) Examination
Friday, 6th April 2018

US02EFSC12: FUNDAMENTALS OF FORENSIC SCIENCE

Time: 2:00 pm–4:00 pm

Total Marks : 70

Note- Answer of all the questions (including multiple choice questions) should be written in the provided answer book only.

Q-1 Multiple Choice Questions:

(10)

1. Footprints caused in mud, dust or snow are called _____.
 (a) Surface Print (b) Negative Print
 (c) Sunken Print (d) Latent Print
2. Whorl has at least _____ deltas and _____ core.
 (a) One, One (b) One, Two
 (c) Two, One (d) Two, Two
3. The use of lip prints was first introduced by _____.
 (a) Karl landsteiner (b) Edmond Locard
 (c) Lemoynesynder (d) Dr. Suzuki
4. Determine how much of a material is present in sample called as _____ analysis.
 (a) Gravimetry (b) Quantitative
 (c) Qualitative (d) Titrimetry
5. The density of Diesel is _____ kg/m³.
 (a) 970-980 (b) 800-845
 (c) 710-770 (d) 720-790
6. Blood is about _____ part of body weight.
 (a) 1/12th (b) 1/13th
 (c) 1/14th (d) 1/15th
7. Which blood group is known as "Universal Donner"?
 (a) A (b) B
 (c) AB (d) O
8. Diameter of Red Blood Cell's is _____ microns.
 (a) Nine (b) Ten
 (c) Eleven (d) Twelve
9. The document which is written and signed by same person known as _____.
 (a) Pseudonymous Document (b) Holographic Document
 (c) Request Document (d) Anonymous Document
10. When questioned is raised above authenticity of document or part of it that becomes _____.
 (a) Request Document (b) Anonymous Document
 (c) Questioned Document (d) Holographic Document

Q2. Answer the following in short. (Any 10)

(20)

1. Enlist various quadrants of lips
2. Write a short note on fundamental principles of fingerprint.
3. Define Cheiloscopy and Dactyloscopy.
4. Explain Physical and Chemical property of compound.

①

(P.T.O.)

5. Write the Benzidine test for blood.
6. Explain how chemistry is helpful in forensic science?
7. What are different functions of blood in human body?
8. Define Blood and enlist components of human blood.
9. Write a note on Hemoglobin.
10. What are Documents and Questioned Documents?
11. Give the basic principle of handwriting.
12. State various sites where questioned document may be located.

Q-3(A) Explain detailed classification of finger print pattern with diagram. [05]
(B) Describe the different types of ridge pattern and label them [05]

OR

(A) Write a note on various types of foot prints with collection and preservation of it. [05]
(B) Give the role of twins in lip print and how to collect from crime scene. [05]

Q-4(A) States various types of cases in which forensic chemistry plays an important role. [05]
(B) Describe sampling and extraction of forensic chemistry with significance [05]

OR

(A) Explain preliminary screening in forensic chemistry [05]
(B) Write a short note on various methods of analysis in chemistry. [05]

Q-5(A) Explain types of human blood group. [05]
(B) Describe various components of blood. [05]

OR

(A) Give crystal tests and color tests for blood. [05]
(B) Write a short note on blood with forensic significance. [05]

Q-6 Define admitted writing and request writing with collection procedure of specimen. [10]

OR

Q-6 Classify various natures of documents with preservation of it. [10]