AV–1689

B.Sc. (Part—I) Semester—I Examination

FORENSIC SCIENCE

(Basics of Forensic Science)

Time : Three Hours]   [Maximum Marks : 80

N.B. :— (1) **ALL** questions are compulsory.

(2) Question no. **1** carries **8 (eight)** marks while each of the remaining question carry **12** marks.

(3) Draw diagram if necessary.

1. (A) Fill in the blanks :

    (i) Examination of glass, paint, dust are sent into _____ division.

    (ii) _____ is a writer of a classic book titled "Questioned Document."

    (iii) Horizontal ligature mark is seen in _____ .

    (iv) _____ propounded "the principle of exchanged".   2

  (B) Multiple choice question :

    (i) The main source of Physical evidence for Reconstruction of Crime is :

      (a) The scene of crime   (b) The victim of crime

      (c) The preparator of crime   (d) All the three sources

    (ii) Footwear print found at the place of occurrence is recorded by :

      (a) Tracing   (b) Carting

      (c) Lifting   (d) Coping

    (iii) Foot prints are :

      (a) Mostly found on loose soil   (b) Two-dimensional

      (c) Mostly found outdoors   (d) Often distorted

    (iv) Section of IPC dealing with grievous hurt is :

      (a) 319 IPC   (b) 320 IPC

      (c) 323 IPC   (d) 325 IPC   2

  (C) Answer in **one** sentence :

    (i) What is document ?

    (ii) What is question document ?

    (iii) What is stragulation ?

    (iv) Define eye witness ?   4

UNIT—I

2. (A) Explain nature and need of Forensic Science. 3

    (B) Explain Forensic Science. Give its importance in Society. 3

    (C) Write in brief basics of Forensic Science. 3

    (D) Explain development of Forensic Science in India. 3

OR

3. (P) Explain following principles :

       (i) Law of Exchange

       (ii) Law of Analysis. 4

    (Q) Write in brief History of Forensic Science. 2

    (R) Give an account on Ethical issues in Forensic Science. 2

    (S) Explain National and International agencies. 4

UNIT—II

4. (A) Explain divisions of Forensic Science laboratory. 4

    (B) Explain a Central Forensic Science laboratory under BPR & D and CBI. 4

    (C) Explain the blood stain pattern analysis. 4

OR

5. (P) What is blood stain pattern and give its significance in Forensic Science ? 4

    (Q) Explain properties of Human Blood. 4

    (R) Write in brief on blood stain pattern analysis. 4

UNIT—III

6. (A) What is the role of crime scene manager ? 2

    (B) Explain the types of search pattern in crime scene. 4

    (C) What is sketching and explain its types. 4

    (D) Write in brief crime scene survey. 2

OR

7. (P) Explain the significance of sketching at Crime Scene Investigation. 3

    (Q) Explain the components of Crime Scene Reconstruction. 3

    (R) Define Crime Scene Reconstruction and explain its nature. 3

    (S) What is Crime Scene Management and give its importance. 3

UNIT—IV

8. (A) Define Fingerprint and give its Forensic significance.   3

    (B) Explain the types of Finger print.   3

    (C) Give an account of :

       (a) Bite mark

       (b) Skid mark.   4

    (D) Explain the process of taking sample of tyre mark.   2

OR

9. (P) Explain the Cheiloscopy.   3

    (Q) What is Lip print and explain its types.   2

    (R) Explain the process of Lip print taking.   3

    (S) Explain the nature and location of Lip print.   4

UNIT—V

10. (A) Define Handwriting and explain its characteristics.   4

    (B) Explain the individual characteristics of Handwriting.   4

    (C) Write in brief on Stereomicroscope.   4

OR

11. (P) What is Indented writing and explain examination of indented writing ?   3

    (Q) Write in brief :

       (a) Pictorial

       (b) Slant effect

       (c) Nature of Forensic.   3

    (R) What is Forgery and explain types of Forgery ?   6

UNIT—VI

12. (A) Define Drowning and explain its types.   3

    (B) Explain the following evidence :

       (1) Medical Certificate

       (2) Medical Report.   3

    (C) Explain the late sign of death.   3

    (D) What is Asphyxia and explain its types.   3

OR

13. (P) Explain a Mechanical injuries and explain significance in crime investigation.   4

    (Q) Explain the Age of Bruises and Abrasions.   3

    (R) Explain natural and unnatural sexual offences.   3

    (S) What is Injuries ? Explain its significances in criminal investigation.   2