

4583

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(c) Personal identification of living individuals

(d) Crime prevention methods and their legal implications

(100)

[This question paper contains 4 printed pages.]

**Your Roll No.....**

**Sr. No. of Question Paper : 4583**

**J**

Unique Paper Code : 2154001004

Name of the Paper : (GE): Forensic and Criminal  
Investigations

Name of the Course : **B.Sc. (H) Anthropology  
Part-II**

Semester : III/IV

Duration : 3 Hours

Maximum Marks : 90

**Instructions for Candidates**

1. Write your Roll. No. on the top immediately on receipt of this question paper.
2. Attempt **any five** questions.
3. All questions carry **equal** marks.

P.T.O.

1. Define Forensic Science. Trace its historical evolution and outline the functional divisions of forensic science laboratories.
2. Illustrate different methods used in crime scene documentation, including sketching, field notes, and photography. Use examples to support your answer.
3. Explain the concepts of internal, external, and terminal ballistics with examples. How are they applied in wound analysis?
4. Describe various classifications of poisons and the techniques used for their detection in forensic toxicology.
5. What are the fundamental principles of handwriting examination? Discuss the class and individual characteristics of handwriting.

6. Describe the various finger-print pattern types found in human populations. Illustrate your answer with suitable diagrams.
7. Discuss the various methods employed for estimating stature. Evaluate the role of population-specific formulae and the influence of secular trends.
8. Explain the principles and procedures of bloodstain pattern analysis. What does blood evidence reveal about a crime scene?
9. Write short note of any two of the following:
  - (a) AFIS and its application in fingerprint comparison
  - (b) Determination of blood group systems and forensic relevance