

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 3290 **I**

Unique Paper Code : 2154002001

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

Name of the Course : **B.Sc. (H) Part-III**
November-December 2024
(NEP-UGCF-2022)

Semester : V

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
1. Define the term 'Forensic'. Explain the different branches of forensic science and their applications in criminal investigations.
2. Discuss different searching methods of crime scene investigations with appropriate examples and diagrams.

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3. Explain the role of forensic ballistics in firearm-related injuries. How does it assist in linking a suspect to a crime scene?
4. Explain how forensic chemistry is used to detect controlled substances and their impact on criminal investigations.
5. Explain various routes of administration of poison. Write a brief overview of accidental homicidal and suicidal poison with examples.
6. Illustrate the classification of forensic documents. Describe the importance of natural variation and disguised writing.
7. Discuss conventional methods of developing latent fingerprints. How are modern techniques, such as chemical methods, used to reveal latent prints?
8. Explain the role of DNA profiling in forensic investigations. How has DNA analysis revolutionized criminal justice and personal identification?
9. Write short note of *any two* of the following:
 - (a) Forensic photography
 - (b) Examination and identification of explosives
 - (c) Stature estimation from human skeleton
 - (d) Automated Fingerprint Identification System (AFIS)