

**GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR****Course: Advanced Forensic Techniques
Semester- V (Batch: 2020-25)****End Semester Examination: November 2022****Date: 12th Nov, 2022****Duration: 2 hours****Max. Marks: 40****Instructions:**

- Read the questions properly and write the answers in the given answer book.
- Do not write anything on the question paper.
- The respective marks for each question are indicated in-line.
- Indicate correct question numbers in front of the answer.
- Draw diagrams (if any) only with a pencil.
- No questions or clarification can be sought during the exam period, answer as it is, giving reason, if any.

Marks

- Q.1 Dr. Hardeep Singh conducted a post-mortem examination on the dead bodies of Inderjit Singh and Trilochan Singh on 22-2-2022. He found the following injuries on the body of Inderjit Singh :

(5)

The measurement of the wound was 5 x 2 cm. Blood clot was present with a clear distinct gaping in the wound and the margins were swollen and clean.

Frame an opinion based on medicolegal information described in the given case.

- a) Explain the mode and the nature of the injury.

Or

- b) Explain the early signs of death.



- Q.2 Read the following case and explain the deception detection technique that is most suitable for the investigation:

(5)

"The Clown Killer" uses the situation through cryptolog involving breaking code because he wanted attention from the media, which indicates that he most likely did not receive the recognition that he wanted in his personal life. He was not even afraid to trap his victims, even though some of his murders were of very high-risk..

- Q.3 Read the following case and answer the questions:

**(2x5=
10)**

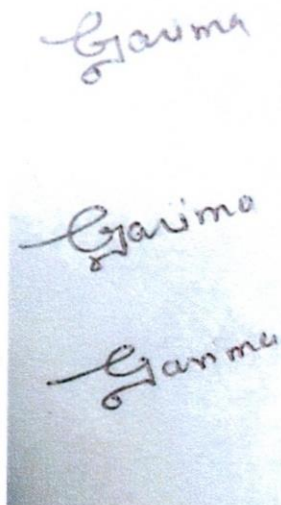
The Investigating Officer (IO) made an endorsement of the crime scene and through Constable Bharat Lal sent the weapon to the Police Station. The weapon is shown as dispatched from the place of occurrence at 09:15 hours of 21.05.2022. On this basis, Lady Head Constable Krishna registered the FIR at 09:30 hours on the same morning.

In the course of the investigation at the scene of crime, the IO called photographer Ravinder Kumar who took photographs of the scene from different angles with the help of a digital camera thereafter he developed the positive photographs which were proved during the trial. The photographs confirm the state of the scene as narrated by the IO in his endorsement in the FIR. It may be observed here that in one of the photographs depicting the dead body from a little distance, it is seen that it was partially on the mattress with lower limbs (hip downwards) almost on a mat placed alongside. The photographs gave the impression that the deceased was hit while he was still asleep, giving the victim no occasion or opportunity to arouse or get up.

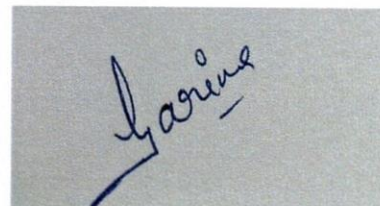
- a) Explain the Law of Progressive Change in forensic investigation.
- b) Explain any two types of powdering methods that can be used to visualize the latent fingerprints from the weapon.
- c) Explain the appropriate forensic photography techniques.
- d) Explain any two appropriate crime scene searching processes.
- e) Explain the importance of the crime scene in the given case.

Q.4 Frame an opinion based on handwriting characteristics whether the disputed signature is genuine or forged. (10)

Specimen



Disputed



Q.5 Explain the concept of internal ballistics and techniques used for the forensic examination for the comparison of the bullet recovered from the body by reading the below case: (10)

The accused Balwinder Singh fired two shots from his 12 bore DBBL gun at Teja Singh, which hit his right biceps. When accused Balwinder Singh tried to re-load his gun, Teja Singh came forward and caught hold of the gun. Naranjan Kaur also grappled with him and snatched the Double Barrel gun. During the grappling, the butt of the gun was broken. In the meantime, Charanjit Singh brought an iron rod from the Jeep and caused injuries on the neck, left ear and other parts of the body of Naranjan Kaur. Jit Singh was left to guard the dead body of Mohinder Singh, and injured Teja Singh and Naranjan Kaur were taken to Civil Hospital, Dhilwan by their son Surjit Singh. Joga Singh went to Police Station Dhilwan, for lodging a report and produced the DBBL gun, with a broken butt, before Gurbachan Singh, Sub Inspector/SHO, P.S. Dhilwan. His statement was recorded and after it was read over and explained to him, which he admitted to being correct, he put his signatures. This was finally recorded as the First Information Report. Aforesaid DBBL gun, which was produced by Joga Singh, before Gurbachan Singh, Sub Inspector, was unloaded and two empties were recovered.
