



Mid Semester Test -I
Spring 2023-24 (April 2024)

Name of Program-PhD
Forensic Science
Course Code - FS22P104

Max. Duration: 1.5 hrs

Max. Marks: 30

SECTION - A

1. Objective Type Questions (ALL QUESTIONS ARE COMPULSORY) (5X1 = 05)

- a) What is the primary purpose of forensic science?
 - i. Providing legal advice.
 - ii. Solving crimes and legal disputes.
 - iii. Conducting medical research.
 - iv. Investigating environmental issues.
- b) Which techniques is commonly used for the analysis of petroleum product in the fire and arson cases?
 - i. UV spectrophotometry
 - ii. Atomic absorption spectroscopy
 - iii. Gas chromatography
 - iv. X- ray fluorescence (XRF)
- c) What is the primary purpose of preserving the scene of a crime?
 - i. To contaminate evidence
 - ii. To ensure safety of investigators
 - iii. To allow suspects to tamper with evidence
 - iv. To facilitate the collection of physical evidence
- d) What is the role of forensic laboratories in criminal investigations?
 - i. To carry out criminal profiling
 - ii. To determine guilt or innocence
 - iii. To analyze physical evidence
 - iv. To conduct witness interviews
- e) Which Constitutional rights are relevant to forensic science investigations in India?
 - i. Right to privacy
 - ii. Right to freedom of speech
 - iii. Right to equality and freedom
 - iv. Right to bear arms

SECTION - B

2. Short Answer Type Questions (Attempt any THREE) (3X5 =15)

- a) Write the importance of proper handling and documentation of physical evidence in forensic investigation.
- b) What are the main types of physical evidence encountered at crime scenes with suitable examples?
- c) Explain the significance of criminal profiling in crime investigations and mention one limitation of this technique.
- d) Describe the role of forensic experts in court proceedings.
- e) What are the powers and jurisdiction of different types of courts in India, and how do they affect the admissibility of forensic evidence?

SECTION - C

3. Long Answer Type Questions (Attempt any ONE) (1X10 =10)

- a) Evaluate the role of forensic science in the investigation of various types of crimes, including unnatural deaths, sexual offenses, and vehicular accidents.
- b) Explain stages of criminal profiling.