



SAL CAMPUS

CE & CSE Department

Digital Forensics (3170716)

IMP Questions

Year: 2025-26

Chapter-wise FAQ

1. Introduction

- **Explain Locard's Exchange Principle with suitable example. (S23-7M, W23-7M, S24-7M, W24-7M, S25-7M)**
 - **Explain Digital Forensic Process. (S23-7M, S24-4M, S25-7M)**
 - **What is Digital Forensics? List its uses. (S23-3M, S24-3M)**
 - **Explain challenges of Digital Forensics. (W23-4M, S25-3M)**
 - **Explain the role of a cyber forensic investigator. (W23-4M, S25-4M)**
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2. Understanding of Technical Concepts

- **Draw and explain Control Unit of basic computer. (S23-3M, W23-7M, S24-3M)**
 - **Explain Main Memory and Auxiliary Memory with example. (W23-7M, S25-7M)**
 - **Differentiate Volatile and Non-volatile memory. (S24-4M)**
 - **Define Active Data, Latent Data and Archival Data. (W24-3M)**
 - **What is Cache Memory? Explain Direct Mapping. (W24-7M)**
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3. Digital Forensics Process Model

- **Explain Chain of Custody in digital forensics. (S23-3M, W24-7M, S25-3M)**
 - **Explain Hashing concepts to maintain integrity of evidence. (S23-7M, W23-7M, W24-7M, S25-7M)**
 - **Explain Forensic Cloning of Evidence. (W23-4M, S24-4M, S25-4M)**
 - **Explain Quality Assurance in detail. (S23-4M, W24-4M, S24-4M)**
 - **Importance of Photography and Notes in crime scene documentation. (S24-7M)**
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4. Computer Operating System Artifacts

- **Techniques to find deleted data. (W24-3M, S25-4M)**
 - **Explain Metadata and techniques to remove metadata. (S23-7M, W24-4M, S25-4M)**
 - **Differentiate Restore Point and Shadow Copy. (S24-4M, S25-3M)**
 - **Define Sleep, Hibernation and Hybrid Sleep. (W24-3M, S24-3M, S25-3M)**
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5. Legal Aspects of Digital Forensics

- **Discuss legal aspects and their impact on digital forensics. (S23–7M, S25–7M)**
 - **Explain Electronic Discovery (e-Discovery). (S23–4M, W24–3M, S24–4M)**
 - **Explain legal features of digital evidence. (W24–4M, S25–7M)**
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6. Digital Forensic Tools

- **Explain Tool Validation in context of Quality Assurance. (S25–4M, S24–4M)**
 - **Explain Tool Selection Methods. (S25–4M)**
 - **Categories of Digital Forensic Tools. (S24–7M)**
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7. Case Study

- **Discuss E-mail Header Forensics. (S23–7M, W23–3M, S25–7M)**
- **Explain the use of digital forensics in social networking sites. (S23–7M, W24–7M, S25–7M)**
- **Network Forensic Techniques with example. (W24–7M)**

Paper-wise IMP Questions

Summer 23

- **Explain Locard's Exchange Principle. (S23-7M)**
 - **Explain Digital Forensic Process. (S23-7M)**
 - **Explain Hashing concepts to maintain integrity. (S23-7M)**
 - Remove metadata techniques. (S23-7M)
 - Use of digital forensics in social networking sites. (S23-7M)
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Winter 23

- **Explain Locard's Exchange Principle. (W23-7M)**
 - Explain Main & Auxiliary Memory. (W23-7M)
 - **Hashing concepts for integrity. (W23-7M)**
 - **Chain of Custody documentation. (W23-7M)**
 - E-mail Header Forensics. (W23-3M)
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Summer 24

- **Explain Locard's Exchange Principle. (S24-7M)**
 - **Forensic Cloning of Evidence. (S24-4M)**
 - **Electronic Discovery. (S24-4M)**
 - **Sleep, Hibernation, Hybrid Sleep. (S24-3M)**
 - Digital Forensic Tools categories. (S24-7M)
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Winter 24

- **Explain Locard's Exchange Principle. (W24-7M)**
 - **Maintain Chain of Custody steps. (W24-7M)**
 - **Hashing for forensic integrity. (W24-7M)**
 - Metadata removal techniques. (W24-4M)
 - Network forensic techniques. (W24-7M)
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Summer 25

- **Explain Locard's Exchange Principle. (S25-7M)**
- **Explain Hashing concepts. (S25-7M)**
- **Discuss Legal Aspects of Digital Forensics. (S25-7M)**
- Tool Validation. (S25-4M)
- Social Networking Site Forensics. (S25-7M)

For other subject's IMP Join WP Group: <https://chat.whatsapp.com/Kd4JlgyEFvwAw68sGq5pbA>