

Code No: 09A50504

R09

SET-1

B. Tech III Year I Semester Examinations, December-2011

COMPUTER FORENSICS

(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) What is computer forensics? Explain the use of computer forensics in law enforcement?
- b) Explain the following business computer forensics technology
 - i) creating trackable electronic documents
 - ii) Forensic services available. [7+8]
- 2.a) Discuss a solution for data recovery?
- b) Explain controlling contamination: The chain of custody? [7+8]
3. What are the steps involved in computer evidence processing? Explain. [15]
- 4.a) Explain the process of validating the forensic data?
- b) What is live acquisition? How are they performed? [7+8]
5. How are evidences collected in private-sector incident scenes? Explain. [15]
- 6.a) How do you evaluate computer forensic tools?
- b) Explain computer forensics hardware tools? [7+8]
- 7.a) Explain the forensics tools used for e-mail investigation?
- b) Discuss about mobile forensics tools? [7+8]
8. Write short notes on:
 - a) FAT disks
 - b) Windows Registry. [15]

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SET-2

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COMPUTER FORENSICS

(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

1. Explain the computer forensics services? [15]
- 2.a) Explain the factors that affect backup in data recovery?
b) Discuss the methods of collection of evidences? [7+8]
- 3.a) What is duplication of digital evidence? Explain its purpose?
b) Explain the special needs of evidential authentication? [7+8]
- 4.a) Briefly explain the process of determining of what data to collect and analyze in computer forensics?
b) How are standard procedures developed for network forensics? [7+8]
5. Explain the process of seizing of digital evidence at the scene? [15]
- 6.a) What are types of computer forensics tools?
b) Explain any two computer forensics software tools? [7+8]
7. Explain the process of investigating E-mail crimes and violations? [15]
8. Write short notes on:
a) Windows Registry
b) NTFS System Files. [15]

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SET-3

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COMPUTER FORENSICS

(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) What are the benefits of professional forensics methodology? Explain.
b) Explain how law enforcement is done in computer forensics? [7+8]
- 2.a) Explain how data backup and recovery is done in computer forensics?
b) Explain the rules of collecting electronic evidence? [7+8]
3. How Authenticode works with VeriSign Digital IDs? [15]
- 4.a) How remote acquisition is performed in computer forensics?
b) Give an overview of network forensics? [7+8]
- 5.a) How do you secure a computer incident or crime scene?
b) Explain evidence retention and media storage needs? [7+8]
6. Briefly explain the tasks performed by computer forensics tools? [15]
- 7.a) What is role of e-mail in forensic investigations?
b) Explain the SIM card and SIM file structure? [7+8]
8. Write short notes on:
a) MS-DOS startup tasks
b) Virtual machines. [15]

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SET-4

B. Tech III Year I Semester Examinations, December-2011

COMPUTER FORENSICS

(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Explain the steps taken by computer forensics specialists?
b) Explain the following business computer forensics technology
i) Remote monitoring of target computers
ii) Theft recovery software for laptops and PCs. [7+8]
- 2.a) Explain the obstacles you find in backing up applications?
b) Explain the types of Evidences? [7+8]
3. Explain the legal aspects of collecting and preserving computer forensic evidence? [15]
- 4.a) Explain the process of validating the forensic data?
b) Give an overview of Network forensics? [7+8]
5. Briefly explain processing of law enforcement crime scenes? [15]
- 6.a) What are the functions of forensic tools?
b) Give a note on forensic workstations? [7+8]
- 7.a) What are the roles of the client and server in e-mail investigation?
b) Explain the acquisition procedure for cell phones and mobile devices? [7+8]
8. Write short notes on:
a) Windows XP startup tasks
b) Virtual machines. [7+8]

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