Code No: 117BW

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, April/May - 2018
COMPUTER FORENSICS
(Computer Science and Engineering)

Time: 3 Hours   Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART- A
(25 Marks)

1.a)	Who are all involved in CFX-2000 experiment?	[2]
b)	What is data recovery?	[3]
c)	What is the real cost of a stolen laptop or PC?	[2]
d)	Write evidence collection options?	[3]
e)	Write short notes on steganography	[2]
f)	Elaborate DiD and discuss its focus	[3]
g)	How many ways that we can isolate a mobile device from incoming signals.	[2]
h)	Explain the Roles of Client and Server in Email.	[3]
i)	List the items contained in the FAT table	[2]
j)	Explain the features of NTFS.	[3]

PART-B
(50 Marks)

2. Explain the following business computer forensics technology
    a) Creating trackable electronic documents
    b) Forensic services available.   [5+5]

OR

3.a) Explain Back-up and Recovery Solution (BRS) in detail.
  b) Discuss the types of law enforcement computer forensic technology.   [5+5]

4.a) Discuss do's and don'ts using the preceding five rules of evidence.
  b) State and explain the responsibilities of certification authorities. [5+5]

OR

5. Discuss the following:
    a) Types of evidence
    b) Volatile evidence
    c) Collection obstacles.   [10]

6.a) How evidence is collected in private sector incidents? Explain.
  b) Explain, How to store digital evidence.   [5+5]

OR

7.a) How are standard procedures developed for network forensics? Explain in detail.
  b) Discuss the process of validating forensic data.   [5+5]

8.a) What are the tasks performed by computer forensics tools, discuss any two tasks in detail.
  b) Explain computer forensics hardware tools in detail.   [5+5]

OR

9.a) What is a personal digital assistant? What are the different types of peripheral memory cards used with PDAs?
  b) Discuss the need of computer forensics tools.   [5+5]

10.a) Describe Microsoft file structures.
   b) Explain how the Windows Registry works.   [5+5]

OR

11. Discuss the following:
    a) Boot sequence
    b) Disk drivers.   [5+5]

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