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B.E. (Information Technology) Seventh Semester (C.B.S.)
Elective - II : Digital Forensics for Information Technology

P. Pages : 2

Time : Three Hours



NRT/KS/19/3592

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Assume suitable data whenever necessary.
 9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What is digital forensics? And How to use digital forensic in law enforcement. **7**
- b) What are the digital forensics assistance techniques to human resource. **7**

OR

2. a) What is cyber crime? State & explain its various types. **7**
- b) What are the legal processes to be followed while conducting computer investigation? How can this be maintained. **7**
3. a) Explain standard procedure for performing a live acquisition. **8**
- b) Explain the rules of evidence. **5**

OR

4. a) Enumerate the guidelines for Seizing digital evidence at the scene. **6**
- b) What are the key points to be remembered before seeking electronic information as evidence. **7**
5. a) Write short notes on **7**
- i) Data Hiding techniques
- ii) Performing remote acquisitions.
- b) What are different evidence processing step? explain. **6**

OR

6. a) What data is to be collected and analyzed with respect to computer forensics investigation? Discuss in detail. **7**
- b) How digital evidence stored? Explain. **6**

7. a) Explain the principles of computer based digital evidence. 6
- b) What is digital signature? How it is used in forensic applications? 7

OR

8. a) How to prepare for search? What to do for securing a computer incident or crime scene. 7
- b) What are the responsibilities of technical advisor? 6
9. a) Explain the role of email in investigation. 7
- b) Explain four components of UNIX that defines the system. Explain role of OS forensics. 7

OR

10. a) State & explain the acquisition procedure for cell phones & mobile devices. 7
- b) State & explain procedure to handle an android device during investigation. 7
11. a) Describe method to validating and testing computer forensic tools. 6
- b) What is the purpose virtual machine? Explain. 7

OR

12. a) Write short notes on: 13
- i) File system
- ii) Microsoft File Structure
- iii) NTFS disks.



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The secret of getting ahead is getting started.

~ Mark Twain

