

B.E. (Information Technology) Seventh Semester (CBS)  
**Elective-II : Digital Forensic for Information Technology**

P. Pages : 2

Time : Three Hours



AHK/KW/19/2356

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. Due credit will be given to neatness and adequate dimensions.
  9. Assume suitable data whenever necessary.
  10. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Explain the use of computer forensic in law enforcement. 6
- b) What is Digital forensics? Describe digital forensics in law enforcement. 7

**OR**

2. a) What is cyber crime? State & explain it's various types. 7
- b) Give the importance of computer forensics. What is the assistance techniques to employment proceedings. 6
3. a) Explain the developing standard procedures for network forensics. 7
- b) What are the basic forms of collection? 6

**OR**

4. a) Why data backup and recovery is necessary? Explain the role of backup in data recovery. 7
- b) Enumerate the guidelines for seizing digital evidence at the scene. 6
5. a) Write a procedure for collecting evidence in computer forensics analysis. 7
- b) Why is it important to preserve the digital crime scene? Explain. 7

**OR**

6. Write short note on – 14
- i) Data Hiding Technique.
  - ii) Remote acquisition.
  - iii) Electronic evidence processing.

7. a) Explain the principles of computer based digital evidence. 7

b) List the steps in preparing for an evidence search. 7

**OR**

8. How to identify digital evidence? What is the importance of collecting evidence in private sector incident scene. 14

9. a) Explain the role of email in investigation. 7

b) Explain the basic concept of mobile device forensics. 6

**OR**

10. Explain SIM file structure in detail. 13

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 and explain the function of any five registry function. 7

b) What is file system? What is master boot record? Explain FAT file system. 6

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