Total No. of Questions : 8]   [Total No. of Printed Pages : 2

Roll No ....

MTCF-201
M.E./M.Tech., II Semester
Examination, November 2019
Digital Forensic
Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What do you mean by Digital Forensics? How is it different from other related disciplines?
   b) Give an overview on resources required for digital or computer forensics.

2. a) Give a summary of windows file system and artifacts.
   b) Explain the following terms:
      i) File Allocation Table
      ii) Windows Executables

3. Explain the following terms related to windows file systems.
   i) Registry
   ii) Event logs
   iii) Prefetch files
   iv) Shortcut files

4. a) Give an introduction of Linux file system. Explain different layers of file system.
   b) What do you mean by Linux Logical Volume Manager? Explain Linux Boot process and services.

5. a) What is the need of computer forensics tools? Give a classification of computer forensics tools.
   b) What are the tasks performed by forensics tools? Explain with suitable examples.

6. a) What do you mean by forensic work stations? Explain in detail.
   b) What is Metadata? How is metadata important in computer forensics?

7. a) What are different technical surveillance devices? How to analyse them?
   b) Differentiate usable and unusable file formats? How to convert them?

8. Write short notes on any two of the following:
   i) Cyber crime
   ii) Reconstructing past events
   iii) Network Intrusion and detection

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