

**B. A. DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019****(2016 Admission Supplementary)****SEMESTER V - CORE COURSE (CLOUD COMPUTING AND INFORMATION SECURITY MANAGEMENT )  
CA5B10TB - COMPUTER FORENSICS AND INVESTIGATION****Time : 3 Hours****Maximum Marks : 80****Part A****I. Answer all questions. Each question carries 1 marks****(6x1=6)**

1. Define Computer evidence.
2. Expand (i) AFF (ii) FAT.
3. What is a file system?
4. Define GPRS.
5. What is the name of cyber law in India?
6. Define computer evidence.

**Part B****II. Answer any Seven questions. Each question carries 2 marks****(7x2=14)**

7. Define the term computer forensics?
8. Explain Phone phreaking.
9. What is RAID Acquisition?
10. What is Dynamic Acquisition?
11. How to acquire image of a drive using 'dd' tool.
12. What is MFT? Also mention various MFT Attributes.
13. Differentiate between Rainbow attack and Dictionary attack?
14. Describe the challenges to Chain of Custody.
15. What is the importance of cyber law?
16. What is Evidence triage?

**Part C****III. Answer any Five questions. Each question carries 6 marks****(5x6=30)**

17. Explain Single Evidence form with the help of a neat diagram.
18. Explain Windows Registry. Also discuss different data types and root keys in registry?
19. What is an Optical medium? Explain different types of optical medium.
20. Explain in detail different steps involved in Mobile Forensics.
21. What do you understand By Brute Force attack? Describe different steps involved in it with example.
22. Write a note on Role of a Controller.
23. What is Digital forensics? What are the different stages in Digital forensic process where Cyber law has an impact?
24. Describe the main features of Indian IT Act 2008.

**Part D****IV. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

25. Explain in detail the Systematic Approach for Preparing a Case?
26. What is Data Recovery? Explain different techniques involved in data recovery. Also discuss benefits of it.
27. Write note on Password cracking Also explain different techniques for it and tools used for the same purpose.
28. Explain about Digital signature. How does an electronic signature differ from digital signature with respect to IT Act?