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14SCN424

Fourth Semester M.Tech. Degree Examination, June /July 2016
Cyber Crime and Digital Forensics

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. What is cyber crime? How do we classify cybercrime? Explain each one in detail. (12 Marks)
b. Write a short note on Indian legal perspective on cybercrime and IT Act 2000. (08 Marks)
- 2 a. Explain how Botnets can be used as fuel to cyber crime. (10 Marks)
b. What is cyberstalking? How stalking works? As per your understanding is it a crime under the Indian IT Act? (10 Marks)
- 3 a. Explain the online environment for credit card transaction. Discuss the types of technique of credit card frauds. (10 Marks)
b. Explain the challenges in registry settings for mobile devices. (05 Marks)
c. Mention organizational security policies and measures in mobile computing era. (05 Marks)
- 4 a. Briefly explain the various categories of virus. (08 Marks)
b. Brief out the various tips to prevent the credit card frauds. (12 Marks)
- 5 a. What are the different phases of attack on network? (06 Marks)
b. Explain the importance of proxy server and an anonymizer. (04 Marks)
c. What do you understand by SQL injection? What are the different counter measures to prevent the attack? (10 Marks)
- 6 a. Explain how the "chain of custody" concept applies in computer/digital forensic with a suitable example. (10 Marks)
b. Explain how an E-mail can be traced for forensic purpose. Outline the various key steps involved. (10 Marks)
- 7 a. What are the guidelines for giving testimony as a technical/scientific or expert witness? Describe guidelines for testifying in court. (10 Marks)
b. Explain the importance of reports. Describe guidelines for writing reports. Explain the structure of report. (10 Marks)
- 8 Write a short note on the following :
a. Password cracking
b. Buffer overflow
c. DOS/DDOS attack
d. Cyber crime and cloud computing. (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.