09/11/17 AN

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 50366

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017
Seventh/Eighth Semester
Computer Science and Engineering
CS 6004 – CYBER FORENSICS
(Common to Information Technology)
(Regulations 2013)

Time : Three Hours | Maximum : 100 Marks

Answer ALL questions.

PART – A (10×2=20 Marks)

1. Name the three parameters that uniquely identify the SA.
2. State the difference between SSL version 3 and TLS.
3. Define Demilitarized Zone (DMZ).
4. What is meant by triple wrapped message ?
5. List the tasks of a Computer Forensic Examination Protocol.
6. State the importance of Phreaking.
7. Define Master Boot Record (MBR).
8. What is Zoned Bit Recording (ZBR) ?
9. Describe Bit Shifting with an example.
10. Mention the e-mail storage format available in Novell Evolution.

PART – B (5×16=80 Marks)

11. a) Explain in detail about SSL handshaking protocol between a Server and Client Communication with an appropriate diagram. (16)

(OR)

b) Examine a key Generation using Pseudo Random function to expand secrets into the blocks of data in TLS with a suitable example. (16)

12. a) Briefly explain the types of firewalls with a neat diagram. (16)

(OR)

b) Describe the transaction protocols required for secure payment processing in SET. (16)

13. a) Analyse briefly about the Forensic Duplication and Investigation. (16)

(OR)

b) Demonstrate how to use Remote Network Acquisition Tools in cyber Forensics. (16)

14. a) Examine the MS-DOS startup Tasks and about other Disk Operating System in detail. (16)

(OR)

b) Analyze how the following techniques are used :
i) Processing Data centers with RAID systems. (8)
ii) Documents Evidence in the Lab. (4)
iii) Processing and Handling Digital Evidence. (4)

15. a) i) Describe in detail about specialized E-mail forensic tools. (8)
ii) Elaborate about mobile device forensics. (8)

(OR)

b) i) List out the steps involved in examining in Microsoft e-mail server logs and (8)
ii) Explain data hiding techniques. (8)