(4)

Unit-IV

8. What is network management? How it is useful for security, Explain SNMP. 15

9. Explain the following: 15

   (i) Firewall

   (ii) Viruses

   (iii) Intrudurs

A   (Printed Pages 4)

SFS-4715

B.C.A. (Semester-VI) Examination, May 2015

(New Syllabus)

Paper- I

(BCA-S307)

Time Allowed : Three Hours]   *[Maximum Marks : 100*

Note : Answer five questions in all. Question No.1 is compulsory. Attempt one question from each unit.

1. Answer the following : $4 \times 10 = 40$

   (a) If an employee open a file in another employee's home directory the employee is performing what type of attack? Explain.

   (b) Changing an e-mail leader is an example of what type of attack? Explain.

   (c) At what services are used to counter a modification attack?

(d) What is the primary mechanism for providing for the confidentiality and integrity of information while in transformation.

(e) Can availability by used to prevent denial of service attackes?

(f) What is vulnerability?

(g) Which layer is responsible for decryption and encryption of data?

(h) Is security a process and not a set of steps that you go through once?

(i) What is meant by spoofing?

(j) What services and provided by IP fic?

Unit-I

2. (a) Why network security is needed and how to maintain?   7½

(b) Define cryptosystem. What is difference between symmetric cryptosystem and asymmetric cryptosystem?   7½

3. (a) Describe qualities of good network. Justify that the need for security will always conflict with the need for across.   7½

(b) Why digital signature is needed, and describe digital signature.   7½

Unit-II

4. What is KERBEROS? How KERBEROS support authentication in distribution system.   15

5. Explain pretty good privacy and write the summary of PGP.   15

Unit-III

6. Explain the following security protocols   15

(i) Secure Socket Layer

(ii) Transport Layer Security

7. Discuss secure electronic transaction (SET) Explain the SET components and their relationships.   15