Code: 9A05709

| R09 |

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2017
INFORMATION SECURITY
(Information Technology)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
*****

1   Discuss in detail the substitution ciphers and the transposition ciphers.

2   (a)   Write a note on polymorphic viruses.
    (b)   Write a note on the homes of viruses.

3   (a)   Discuss the security of RSA.
    (b)   Explain the use of Public key Encryption to distribute secrete keys.

4   What are replay attacks? Give examples. Explain the approaches for coping with replay attacks.

5   Describe the authentication dialogue used by Kerberos for obtaining services from another realm.

6   Explain in detail about Oakley algorithm.

7   Describe how brute-force attack and man-in-the-middle attack can be counted by SSL.

8   (a)   Discuss about user security model in detail.
    (b)   How a viral infection happens initially?
    (c)   Give a note on types of viruses.

*****