

Code No: 07A60503

R07

Set No. 2

III B.Tech II Semester Examinations, December 2010

INFORMATION SECURITY

Computer Science And Engineering

Time: 3 hours

Max Marks: 80

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

1. (a) Discuss about the SSL protocol stack?
(b) List the services provided by TLS?
(c) Explain the significance of dual signature in SET? [8+4+4]
2. Explain the IDEA algorithm? [16]
3. Explain the various MIME content types? [16]
4. (a) List and briefly explain the three classes of intruders?
(b) Write a short note on macro virus? [8+8]
5. (a) Give an overview of IPSec document?
(b) Explain the selectors that determine an Security Policy Database (SPD) entry in IPSec? [8+8]
6. (a) Explain the intrusion detection tool: audit records?
(b) What are the services provided by Firewalls? [8+8]
7. (a) Perform the RSA algorithm on the given data and explain how encryption and decryption on the message: $p = 5; q = 11; e = 3; M = 9$.
(b) Describe the digital certificates. [8+8]
8. Write short notes on:
(a) Security services
(b) TCP session hijacking. [8+8]
