

Code :R7411206

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
INFORMATION SECURITY

(Common to Information Technology, Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. (a) What are the different security services that are available ? Explain.
(b) Write short notes on:
 - i. UDP hijacking and
 - ii. ARP attacks.
2. (a) What are the essential ingredients of a symmetric cipher ?
(b) Briefly explain Electronic code Book (ECB).
(c) Write notes on Key distribution approaches of message Authentication.
3. (a) Define Digital signature.
(b) In what order should the signature function and the confidentiality function be applied to a message and why ?
(c) Explain X509 directory Authentication service.
4. (a) What are the five principal services provided by php?
(b) Explain RSA algorithm.
5. (a) Explain IP Sec Documents with a neat diagram.
(b) Write notes on ESP.
6. (a) What are the key features of SET ?
(b) Write notes on SSL.
7. (a) List and briefly define three classes of intruders.
(b) What is the role of compression and encryption in the operation of a virus.
(c) Write short notes on SNMPPrz.
8. (a) List three design goals of a firewall.
(b) Explain packet filter router.
(c) Define reference monitor what is the difference between subject and object of a access control.
