

Code: R7320504

R07

B.Tech III Year II Semester (R07) Supplementary Examinations December/January 2015/2016

INFORMATION SECURITY

(Computer Science and Engineering)

(For 2008 regular admitted batch only)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Compare format string vulnerabilities versus buffer overflow.
(b) Discuss about buffer injection techniques briefly.
- 2 (a) What are the design features of symmetric block ciphers?
(b) List and explain the types of attacks made on encrypted messages.
- 3 (a) Explain about the strength of RSA.
(b) What are the attacks that are made on RSA? Explain.
- 4 (a) Compare & contrast X.509 certificate with PGP certificates.
(b) What is meant by email compatibility?
- 5 What is anti-replay service? Discuss in detail about anti-replay mechanism in IP security.
- 6 (a) Discuss various approaches for web traffic security.
(b) What are the key features of SET?
- 7 (a) Explain about recent worm attacks.
(b) Discuss in detail about state of worm technology.
- 8 (a) List the characteristics of a good firewall implementation.
(b) Explain in detail the two broad categories of statistical anomaly detection.
