R09

Code: 9A05709

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
INFORMATION SECURITY
(Common to CSE and CSS)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1. (a) List out the different attacks caused in security. Explain
    (b) What is the purpose of S-boxes in DES? Explain the avalanche effect.

2. (a) Explain digital immune system with neat diagram.
    (b) Write short notes on worms.

3. (a) Explain the process involved in RSA algorithm with an example.
    (b) What are the approaches to message authentication.

4.   Define digital signature. Explain its role in network security.

5. (a) Explain about the Kerberos with its requirements.
    (b) List and explain the PGP services.

6. (a) Explain the benefits of IP security.
    (b) Define ESP and explain the security services it provides.

7. (a) What is www? What are the challenges web presents? Explain.
    (b) List and explain SET requirements.

8. (a) Explain the intrusion detection tool audit records.
    (b) Explain about packet filtering firewalls.

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