Code No: D7804

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II SEMESTER EXAMINATIONS, APRIL/MAY 2012
INFORMATION SECURITY, MANAGEMENT AND STANDARDS
(COMPUTER NETWORKS AND INFORMATION SECURITY)

Time: 3hours   Max.Marks:60

Answer any five questions
All questions carry equal marks
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1.   a) Define proactive approach to risk management in detail.
        b) Explain the Features and benefits of COBIT methods.

2.   a) Explain the configuration of a firewall.
        b) Explain signature-based, statistical anomaly-based and stateful protocol analysis of
           IPS.

3.   a) Explain Role based model in detail.
        b) Explain Authentication.

4.   a) Explain about S/MIME.
        b) Write about security policies.

5.   Explain the concept of Security in the System Development Life Cycle.

6.   Write short notes on networks security tools.

7.   a) Explain the Need for Business Continuity/Disaster Recovery Planning and
            Management.
        b) Why has ISO 17799 standard emerged?

8.   a) Describe Mandatory versus Discretionary access controls.
        b) Explain the process for generating, transmitting, storing, analyzing, and disposing of
           computer security log data.

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