MASTER OF BUSINESS ADMINISTRATION (MBANIM)

00543

Term-End Examination

June, 2012

MCRI-023 : DESIGN AND IMPLEMENTATION OF INFORMATION SECURITY CYBER LAWS

Time : 3 hours   *Maximum Marks : 100*

Note : *Answer any five of the following . Each question carries equal marks.*

1. What is Information Security and explain the   20 following basic security parameters ?
   - Confidentiality
   - Integrity
   - Availability
   - Authenticity
   - Non-repudiation

2. What is an 'Attack' ? Explain the following   20 attacks in brief with one example each w.r.t. Information system.
   - Access attacks
   - Modification Attacks
   - Denial of Service (DOS) attacks
   - Repudiation Attacks

3. (a) Define the terms 'Vulnerability' and 'Threat' w.r.t. Information system ?   **5**

(b) Explain in detail on 'Risk Management Process' to Protect Information systems.   **15**

4. (a) What is Systems Security Engineering Capability Maturity Model (SSE-CMM) ? Write its functionalities.   **10**

(b) Explain structural components of SSE-CMM model.   **10**

5. Explain various legal issues and applicable laws in Information Security.   **20**

6. (a) What is a 'cyber crime' ? Explain on various 'Hacker Techniques' being used in compromising Information systems.   **15**

(b) Write short notes on 'Security Audit'.   **5**

7. Write short notes on :   **5x4=20**
   (a) Cyber Forensics
   (b) Disaster Recovery
   (c) Security Technologies
   (d) Digital Signatures