

SARDAR PATEL UNIVERSITY
Programme & Subject: Master of E-Business (M.Eb)
Semester: III
Syllabus with Effect from: June-2010

Paper Code: PM03EMEB04	Total Credit: 4
Title Of Paper: Cyber Security & Ethical Hacking	

Unit	Description in Detail	Weightage (%)
I	Security Concepts: What is Security? – Importance of Security – Essential Terminologies – Elements of Security – What does a Malicious Hacker do? – Hacker Classes - Cryptography	25%
II	Cyber Attacks: DoS Attack – Goal of DoS – Types of DoS Attacks – Botnets: Use and Types – DDoS Attack – Session Hijacking – Spoofing vs Hijacking – TCP/IP Hijacking – IP Spoofing – Other Cyber Crimes	25%
III	Casing the Establishment: Footprinting: What is Footprinting?, Internet Footprinting – Scanning: Services, System, Fingerprinting – Enumeration: Banner Grabbing, Common Network Services	25%
IV	Hacking Windows: Unauthenticated Attacks – Authenticated Attacks – Windows Security Features – Wireless Hacking	25%

Basic Text & Reference Books:-

- Hacking Exposed – sixth edition: By Stuart McClure, Joel Scambray, McGrawhill Publication
- Certified Ethical Hacker Guide: By Kimberly Graves, Sybex Publication

