SARDAR PATEL UNIVERSITY
Programme: BBA (Information Technology Management)
Semester: VI
Syllabus with effect from:November/December-2013

Theory

Paper Code: UM06CBBI01	Total Credit:3
Title Of Paper: Information Security	

Unit	Description in detail	Weighting (%)
I	**Information Security Basics** Security Administration: Concepts and principles, Security Equation, System Life Cycle, Security development life cycle, Data/information storage, Policies and practices, Information classification, Security modes of operation, trusted computing base.	25%
II	**Access Control, Authentication and Auditing** Why control access? , Authentication, Auditing. Monitoring	25 %
III	**Attacks** DoS, Malicious Code Attacks, Password Attacks, Software Exploitation and Buffer Overflows, Spoofing, TCP/IP Hijacking, Remote Access Security, Email Security, Wireless Security, Web Security.	25 %
IV	**Security** Device based Security: Firewall (Packet. Filter, Application layer), Routers, Switches, Wireless, Workstation, Server Media based Security: COAX(thin / thick), UTP / STP, Fiber optic, Magnetic tapes, CDR, Hard drives, FDD Security Topologies: Security zones: DMZ, Intranet, Extranet Intrusion Detection: Network, Host, Application based	25 %

Basic Text & Reference Books:-

- Security+ Study Guide by Michael Cross, Norris L Johnson - Syngress Books
- The SSCP Prep Guide by Debra S Isaac, Michael J Isaac - Wiley Publications
- The CISM Prep Guide - Mastering the five domains of Information security management by Ronald L Krutz, Russell Dean Vines -- Wiley Publications
- CISSP - Certified Information Systems Security Professional Study Guide by Ed Tittel, Mike Chapple, James Micheal Stewart - SYBEX 3rd. Ed.
- Security + Prep Guide by Ronald L Krutz,Russell Dean Vines,Wiley Publications
- The CISSP prep guide Gold Edition by Ronald L Krutz , Russell Dean Vines -Wiley publications