

SARDAR PATEL UNIVERSITY
BBA (ISM) (3 Years) Semester - 4
Syllabus with Effect from: 2019-20

Code: UM04DBBS23	Total Credit:
Title Of Subject: Information Security	

Unit	Description in detail	Weighting (%)
I	Introduction Attacks, services and mechanism Security attacks Security services A model for network security	25%
II	Cryptography Introduction Conventional encryption principles Basic terms : plaintext, ciphertext, cryptography, cryptanalysis Substitution ciphers vs. transposition ciphers Types of attack on encrypted messages Introduction to public key cryptography	25%
III	System Security Intruders Viruses and related threats : trap doors, logic bombs, trojan horses, viruses, worms, bacteria The nature of viruses Types of viruses Antivirus approaches : detection, identification and removal	25%
IV	Network Security Digital signatures Firewalls : introduction, design principles, characteristics, types, configuration	25%

Basic Text & Reference Books :-

William Stallings: Network Security Essentials (Applications and Standards), Pearson Education India, 2001.
 Tanenbaum A. S., Computer Networks, Prentice-Hall of India Pvt. Ltd., New Delhi, 1997.