

Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj
Master of Science (Computer Applications & Information Technology)
Semester: V

Paper Code: CECS510		Total Credit : 4 Total Marks : 70 Time : 3 Hrs
Title of Paper: Information Security		
Unit		
Unit	Description	Weighting
I	Introduction to computer security What Is Computer Security? A Broader Definition of Security	10
II	Security Policy Introduction, Corporate Policy, Information Security Policy, Concepts, Classification of information, Personnel Security policy, Ethics, Password Policy, General Software Policy, Networks, Internet, Laptops and portable computers	20
III	Computer and Network Policy System administration policy, Physical security, Access Control, Logon Policy, Assurance, Accountability and Audit , Reliability of Service, Network Policy Network / Distributed Systems Policy: Dial-in access, Dial-out, Internet Firewall, Interfaces to other networks	25
IV	Incident Response Procedure, Software Development Policy, General Guidelines, Production Guidelines, Business Continuity Planning, Enforcement, Physical Security, Buildings, Transport of Data, Backups, Disks, Laptops / mobile computers, Printers, Computers, Clean desk principle	25
V	System Security(book no-2) Intruders : Intruders, Intruders detection, Password management. Malicious Software: Viruses and Related Threats Firewalls: Firewalls Design principle, established systems.	20
Basic Text & Reference Books :-		
1.	IT Security Cook Book(http://www.boran.com/security)	
2.	Cryptography and Network Security (2nd edition), William Stallings, Pearson	

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Paper Code: CCCS103			Total Credit : 4 Total Marks : 70 Time : 3 Hrs
Title of Paper: Practical Based on CCCS101			
Unit	Description	Total Marks	
I	Q.1 (A) Answer the Following. (Definitions, Blanks, Full Forms, True/False, Match the Following)	06	14
	Q.1 (B) Medium / Long Questions. (With Internal Option)	08	
II	Q.2 (A) Answer the Following. (Definitions, Blanks, Full Forms, True/False, Match the Following)	06	14
	Q.2 (B) Medium / Long Questions. (With Internal Option)	08	
III	Q.3 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.3 (B) Medium / Long Questions. (With Internal Option)	08	
IV	Q.4 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.4 (B) Medium / Long Questions. (With Internal Option)	08	
V	Q.5 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.5 (B) Medium / Long Questions. (With Internal Option)	08	