1/100	
	Introduction to C3
	face on local biometro es)
	lec 1
1 cm /	s core tothe anti-cot or total action of the
	· Computer Beaurity.
7	protecting a information Gy9tem With availability
1501 48	intergrity and confidentiality including hardwares, Boftwares
9	informations, network etc
10	
4 46/6 11	o Information Security
12	protecting information & systems from unautho
1 13	rized access, use and modification with C, I, A.
14	to been the exptem
	vinformation the toler that
1 (16)	a intrusion date that I all larger and a silve
17	
18	digital non-digital.
. 19	Legens there there infected the contract
21	Stored data Transmitting data in vie.
22	
23	tes terms need to know with the
24	
25	
	· Confidentiality only authorized viers Should accerd
	the data,
28	· Intregity - only tuttorized people should change
29	The data, 1000 to be and the second of
29	The data. O availability - Whe authorized wrest need a data
29	The data, 1000 to be and the second of
29	The data. a availability - Whe authorized when need a data it 9hould be available to him/her at any time.
30 31	The data. O availability - Whe authorized wrent need a data

	NO.
	L. D. He were by posses
	Authenticity Hauthentication - Verifying the wer by possess
	face unlock, biometrics)
	to to the tree A and
	Osta origin authentication - Verifying that wer A got
	the some massage that sent by b.
1 3 1 1 1 1 1 1	that satisfy he tomoral o partistano
2 Singy	Accountability - able of trace back the action that took
9	by weers, it apports to the land
10	
11	o nonrepudiation - Gender cont Gry that he didn't
A A COLLEGE	Send that massage,
13	o determence - Preventing unauthorized users not
1.4	To real of them.
15	o fault igalation, - having actv, guard to prevent.
16	o intrusion detection - from deterrence We can ident
- 17	fy the intruders.
18	o prevent actions - protecting the System from
19	hoppening there thing a
20	o legal action - infected files con be replaced or
21	taking kgal actions using bgs.
22	
23	key terms need to know in cs.
24	THE RESIDENCE OF THE PARTY OF T
25	
1313000	gystem resource - arretr that need to protect C Hardwore,
27	Coffendo Oto mi
THE WAY AND A PERSON NAMED IN	Lating Delay Retwork)
	Value abilidas a la l
	Vulnerabilities - Weakness of System that accured
20 6	lue to Bord implimentation, operational or managment.
44 (Chose, weakness).
- 11	
16	THE PARTY OF THE P

1	That an (harm)
62	Threat - a possibleties of gomething con hoppen Charm)
04	Attack - a threat that carried out
5	· Parrive attake - Tust read the informations in gyster
6	· Active attake - Changing the informations in system.
7	noitaurei0 6
08	Adversay lattaker lintruder - entity that operate the attack.
9	
	Countermeasure - sofety mesure, that took to provide
otal ran	n Securitying borishtant parisho
12	
	Risk - expected bes due to an an attacked
	exploits - is an gottware that contain Commands to take
	advantage of a bug on Vulnerability to gain access to System
17	
10 ht og 618	o Interence by guerring the of data o
	Vulnerability agresment process of defining, identifying
7 1 7 20	Classifying and prioritizing Velnerabilities - outcome report.
21	O I I I I I I I I I I I I I I I I I I I
	Penetration testing Ipen testing lothical Lacking
23	attacker could exploid in a Information System, network
	or Web application.
	o goals of penataration testing
177511 28	o identify Weak aports
29	· Mesure Geevrity Policy.
999 (300	· lest the ctopp
31	designated by contable to the life to be triponited
32	sa basic 1 double asbustal as laik as a
33	Samanala
	Samanala

1	
BA 2	Threats and Attacks.
3	4 - tipes
4	the transfer of the property o
5	(a) unauthorized disclosure.
	Os Deception, of state with
	©3 Disruption
ofb	Of Usurpation.
9	
9 F 10	@ Unauthorized disclosure
11	
12	
13	o attake types:
14	
15	
16	
17	
18	
1 19	of network do a intelligent guess by the intruder.
† 20	o Intrusion - after a attake gain the access to
	data.
22	Penetration testing (see testing I private the testing
23	© Oeception
1) 124	o receiving folce sta from unauthorized users
25	and beliving it to be true (theat)
26	The transfer of the late of th
27	o Attak types of mantang to the
28	Masquerade + unauthorized urcr gain accerr
29	to Gystem and act like outhorized user.
30	ofalgification- Intruder modifies or replace
31	or creat dota.
3.2	o Repudiation - Intruder blocks Sending, receiving
33	and processing of data.
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a. I	

2	(3) Disruption.		
1 (0)(3)	on event that interrupts the operation of		
4	the System Services and functions.		
5			
6	Attack types.		
5 5407	• Incopacitation - Introder trying to make		
	System unavoilable by domaging system and hardware.		
3	o Corruption - Modifing the system Services		
	and functions or data. The last to support		
	interfering the System C pos opos)		
13	Thereany the offices of Dos, Dos		
14	(4) Usurpotion -		
	gaining the control of the system by introder.		
16			
17	oAttack types.		
18	o Misappropriation - unauthorized program		
100 T 3-19	prer the hordware and System.		
20	om; sure - Disabling Security functions.		
5 () (21	1949 Million Silver Store Sugarifies		
22	to antico entito proposition of		
4 (3 h) 28	Threats and attacks. Asrets		
24	4-typer		
25	Continued Salvesta He to mills		
26	Threats on hardware		
27	Threats on Softwore		
28	(a) Threets on data		
29	(b) Threats on network and Communication.		
30			
31			
13			

	NO.
2	1 Threats on hordware.
3	· domaging or stealing hardware Ceffect
	ovailability) of book pro repruces motore alt
5	
6	1 Threats on Software.
	o Deleting and domaging Cavoilabitity) and
8	modifying (Intergirity Authenticity).
1 9	a Corruption The allowing the abstence
10	3 Threats on data.
12	dectroying accessing and modifying data
13	may effect availability Confidentiality and integrity
	a) Thorote on notice to the
(3 by cise)	of Threats on network and communication. messages are being deleted or leaned or
16	modified over the network. Can be parrive and acti
17	239 t dootte
DOP 500 18	active attack types
19	o Replay - Cotch the data and netrons.
7 20 11	timit office of the bline security timet
21	o Masquerade, one entits pretanding to
22 6	be another entity. (Replay).
23	o Data modification - deta seconded or
24 m	odified by introder
25	o Denial of Service - preventing from
26 0	ccersing services, bed as a services
27	Economica as stagent as
28	subst to at about (3)
(29	Contract on traces and Connected
30	
31	
32	

Cotegories of Security Services	0 0
6 - types had at at	
received and apprehense	NI THE
6 Authentication, - make sure Communication	on is outlentic
6 (3) Accern control - limit and control accer	
(0) Data Confidentiality - protect data	
B Ox) Data integrity - Confirm data send by	potlorized uses
Nonrepudiation - prevent from denying do	
10 (00) Availability, - data should be ovoil	
n	
Computer Security Strategy aspects	
13	
14	
9 Specification / Policy - Whot to do	
Implementation - flow to do	
63 Correctness - Daes it work.	
18	
19 (a) factors of Security policy.	
o The volve of assets	
o System's Vulnerobilities	
1 Threats and attacks	
o Cort for security foilurea and	ncovery
24	
35 9 Security implementation. (04)	
26	
oprevention -	
o Detection	
o Response	
o Recovery	
31	
32	
33	
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	NO. Date: / /
	(3) Correctness (40)
1	o testing and analysing System meet the
	all policies and specificationa
E Best 18	in at the same and the same of
	William Source Contract - Land - Land - Lordon - Store Co.
	Confidence of the Confidence of the Administration of the Confidence of the Confiden
	(3) Dota interasts a Contain of the sent to College
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	Be statement of as to the state of the destroy (50)
12	Computers Security Stratogy Deports
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15	about total party load today (a)
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11	Charles to the start.
25	MATERIAL SERVICE ASSOCIATION OF THE PARTY OF
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