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	Assignment - I Camlin Page Date 1 1
1-	List all Symmetric key algorithms:
Au - 5	dynametric encruption is a type of
	enjoyption where only one key is
	encryption where only one key is used to both encrypt and decrept
	exectionic information.
	exectionic information. The entitles communications via
10	elymnetric Phirippion must exchange
	the key so that it can be used
7	in decoraption project.
-	the key so that it can be aded in decryption process. This encoption method differs from asymmetric encryption where a
*	asymmetric encryption where a
15	Paix of keyl, one public and one
-	Paix of keyl, one public and one Private, is used to encrypt and
e e	derget mellages.
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, -	There are two types of Symmetric
20	encryption algorithms:
	D- Block algorithms
	encryption algorithms:- D-Block algorithms 3-Stream algorithms.
	, 0
	List of Symmetric Key Algorithms:
25	
	Advanced Encryption Standard
_	Data Encyption Standard
•	International Data Encryption
	Standald.

	Camlin Page Date / /
	Blowfish Block
_	Rivest Cipher 5 Cipher
-	Rivest Ciphen 6
	ATVESC CITYIN.
5	
-	Stream cipher - Rivest Cipher 4.
2-	List all asymmetric key algorithms:
10	
=	Asymmetric key algorithms work in a
	Simmilar to Symmetric- key algorithm
	Asymmetric key algorithms work in a simmilar to symmetric-key algorithm where Phintext is combined with
	key input to an algorithm and
. 15	outputs chiphestext.
,	
_	Alymmetric Byptography is Stanch of
	(xyptography where a serrat hay
	can be devided into two project
20	Parts, a Public key and a Private
	key.
	dist of Alymmetric Key Algorithm.
25	Ed25519 digning.
-	X25519 - Key exchange
-	XX 99 1 Signing
_	Elliptic rusve røyptography
•	RSA
1	

		Camlin Page ate / /
	Differ - Hellman key exch	angl
-	DSA	0
_	Key Serialization	
_	Key Serialization Asymmetric extilities.	
5	U	
3-	List of algorithms to	r medlage
	diget.	
	The Market of discold	-lea-ith-
19	is a widely used hash	duction
		surction value.
	Although MDS was init	telly clesion
	to se used as a cons	Plographic
15	hash furction.	
	0	
-)	list of Mellage digest	Algorithm
	0	
-)	MD2 - The Alba bookships	object Agoston
20)	MD5 ab define in RA SHA-1, SHA-224, SHA SHA-384, SHA-512/221	0 0
- (SHA-1, SHA-224, SHA	1-256,
	SHA - 384, SHA - 512/22L	1 , SHA- 512 ps6.
	•	
	SHA3-224, SHA3-256,	SHA3-384,
25 _	SHA3-512.	

Camlin Page
Date / / Assignment - 2 (D)=) Discuss briefly '-(a) PII (Personally Identifiable Information): Personally identifiable information (PII)

is any data that could potentially identify a specific individual.

They information that can used to distinguish one person from another and can be used for deanonymizing previously anonymous data can be considered PII. Privary data Privary data Protection, information Privary and information Serusity. b) Us Privary Art of 1974 :-The Privary Art of 1974 is a united states federal law, establishes a rode of fait Information Practice that govern the collection, maintenance, use and dissemination of Personally identifiable information about individual that is maintained in systems of records, by federal, agencies.

	Camlin Page Date / /
	The Privary Act Prohibits the disclosure
	of information from a system of
	of information from a system of records absent of the written consent
	of the Subject individual, unless the
5	disclosure is pursuant to one of
	twelve Statutory exceptions.
(C)	FOIA: Freedom of Information Act)
10	
_	The freedom of Information Act is
	that requires the full or partial
	that required the full or Portial
	disclosure of Previolsky wreleased
15	information and documents controlled
	by the United States government
	UPon Trequest
(.)	
(D)	FERPA '-
20	
	The Family Educational Rights and
	Privary Act is a federal law that
	affords parents the right to have
	aires to their children's education
25	serord , the sight to seek to have
	the records amended, and the
	right to have some routed over the disclosure of Personally
	the disclosure of Personally identifiable information from the
	identifiable information from the
•	

	Camlin Page Date / /
-	education records.
line.	when a Student tune 18 1/2 old
	or exters a post secondary institution
	at any age, the sights under
5	At any age, the sights under FERPA transfer from Parents to
	the students.
(E)	CFAA :-
10	,
•	The computer Frank and buse
	Act is a writed states ryber servity
	bill that was engited in 1986
	as an amendment to existing
15	Computer fraud law, which had been
	included in the comprehensive coine
	Control Act of 1984.
, ~	The law Prohibits a relying a
	Computer without authorization, or
20	Control Act of 1984. The law Prohibite allesting a Computer without authorization, or in excess of authorization.
	V .
(_\	
(F)	COPAA 1-
25	and Advocates is an independent national
	and Advocates is an independent national
	Anelicas Association of Jarents of
	American Association of Parent's of Children with disabilities, attorneys Advocates, and related Professional
	Howards / wa treated professional

	Camlin Page
,	
	who protect the legal and civilsight of students with disabilities and their families.
	this demiliel.
	, Jan 11 s
5	
(4).	VPPA:
	The video Privary Protection Act was
	a bill Passed by the wited states
10	Tongress to Prevent what it refers to as "wrongful disclosure of video take rental or Sale
	to as "wongful disclosure of
-	video tape rental or Sale
	records".
(H)	MTDAA '
(/1/	HIPAA :-
~	Hoold Thomas Darling
9	Accountability det and created one
20	to modernice the Man of Latters
	Health Indusarie Portability and Amountability Art was created primarily to modernize the flow of health care information, Stipulate how Personally identifiable information maintained by
	identifiable information mainterined by
	identifiable information maintained by the healthrare and healthrare insurance
	industries should be protected from
25	grand and theft, and address
	limitations on health care insulance
	Coverage.
>	

	Camlin Page Date / /
(I)	GLBA :-
5	The Gramm-Leach-Biley Art also known as the Financial dervices modernization Act of 1999.
	in the financial services industry by Providing a Prudential
10	framework for the affiliation of banks, derusities firms, and other financial dervice provides, and for other purpose.
(J) ₁₅	PCI DSS!-
	The payment cord industry Data
20	The payment raid industry Data Security Standard is a Set of Security Standards formed in 2004 by Visa, Masterland, Disrover Financial
-	Services, JCB intermational.
25	Soverned by the Payment Card industry decurity steerdards Council. The Compliance Scheme gime to
25	Service Predit and debit raid toansaction against data theft and fraud.
	V

(K) FCRA '-

The fair (redit Reparting Act, was intended to Protect consumers from the willful and negligent inclusion of inaccurate information in their (redit reports.

(L) FACTA :

The faix and Allusate Iseclit
Transactions det to amend the

Jeix redit Reporting Act to

Prevent identity that improve

resolution of consumer disputes

improve the allusary of consumer

disputes, improve the allusary of

consumer selected, make improvements

to redit impornation and for other

Purpose.

25