	Name: chhagan kumawat
	Name: Chhagan kumawat poll no: 20230201067. Assignment 3
	Assignment 3.
00 1	Discuss the miciples of public way country about
->	Public key englography also knows as assemmented cryptography are a class of cryptography protocol that used to two distinct but mathamatically
	metric cryptography on a class of country shu
	entocal that wed to two distinct but northemotively
	related.
11-11-11-11	Keys: 10 Rublic Ley 10 Private Key.
Appendix and the second	othere key are used for encryption & diciplian providing secure communication authentication, I digital signature.
	providing secure communication authentication. I digital
	signatur.
	Little of the world and the state of the sta
- The same of the	Key priciples of Public Key Cryptogo system !-
U	Key pair:
	The public key is openly shared & freely anyone
<u> </u>	Can Citte Le la
- طع	The mivate key is kept secret & is wed to
1	decrypt data encrypted.
	A REPORT OF THE PROPERTY OF TH
2)	Asymmetrics Encryption: To this the public key is used to encryption a menuage of only the cornes ponding provale ky can decrypt it.
and the second second	In this the public key is used to eneryption
	a menuge, I only the comes ponchy provale ky
	can de rypt it
mentioners (see a constitution of the constitu	
3)	Authorfication: - This provides authentication (data integrity.
	This provides authentication (data interprity.
The deleter of the terror was a sold an overland an experience of	
4)	Key management:
	public key cryptography complishes key management
	public key cryptography simplifies key management compared to symmetric key systems.
FIGURE CONTRACTOR AND ADMINISTRATION OF THE PARTY OF THE	
2)	Methametical Hardness!. This ensure that security of the system.
	cink ensure tha iccurry of the system.

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gunantees the accurring to reliability of the		FIIIPHIC Curre Coupleymoby	(8
Uhi is conficul in secure communication as it	_	Lugge red carepatric pet diger. Hot	(1
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or standor. All vibration of the		y) Key withouthnesse,	,
been attend or tempored; with dumy transmission		War - mydellan y security	(2
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-: Hirestot: 3605834	\leftarrow	Key feature Latin (E)	<u> </u>
faction the concept of message Integrity, might	<u> </u>	1	_
1) Estimated to desire		deenyphen, or vice vence.	0
- Key contests 1-		of the constructing private leaf to used for	
Digital Significac.	(8	designed a public hear is used for energypha,	T Track
Emoi) Exception	(7	that are weed a pair leage for energythand	
Secure Internet Communication	ar	wayshy hydrobopother to gother or thydrobopother	_
Application: " 13 low pring it and	ALUHU	Acymmetric compression, also known as public-read	-
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caretul pedding a hey maragement pacetice.	Cham.	Mhat is any months ong beging the all	(2)
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1 at white a that only on fellowing		PKT 150 Prame for managing public leggt	
Eneryption 4) Digital signature.	(0	Public Key Intractivetra (PKI):	(&
Key Generation 3) Decryption	(1	PANALO COMPUNITION OF THE PARTY	917.34
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4 digital signeratures	O DE	Ensured when a meccuge is concerpted wing the	
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JECANC COMMUNICATION & SIGHTAL SIGNATURE).	NUMBER OF		Land of the state
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Same invasivation to the NAM continuous discussion in continuous		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

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Descage Digest: It is a comptography her first output a fixed length String that uniquely reprents a mag length String that uniquely reprents a mag This excentfully a fingeryment of the originial message. The small change in the message, even a indecharacter. Will result is a completely olift mag character. Will result is a completely of verify message integrity. A RSA algorithm is a wholey used public- Key enypteographic system for secure daysa transation The is named after its inventors kiveset, shown and Adlemate who introduce it in 1977. RSA is primary used for secure communication 4 encryption as well as digital signature is	y Generale the Shared Secret
- Key Concepts:- D Asymmetric Cryptography D Public Key D Methamedical Fundamentian. - Step involved 12 RSA D Key Generation D Encryption. Decryption.	The security of the Different Whellowan 12-y exchange relies on the Director languarthe problem - Vulnerabilities - Man-iz-the-middle attack of side (1) - Applications of the principle (1) - Tise / Sel propried of the principle (1) - Tipsec Post of principle (2) - Sity

c) Digital Signatur () Application :the authenticity of integrity of digital mig or Slw distribution Legel docs documents. - It is serves the same purpose as a hardwarder for signature or a stamped seal but it provider to more inherital security. 4 emplogresientes Advortage - Key Corcept !-Legel Validity. Enseure the identify of the sender. verifier that the nessage haring heen tempered with during transaction because the cligital signature birds the mig to the sender private key. y) How it worker:

1) forvate Key

2) Public Key Later of born - straight and - Steps for Digital Signature Greation: Harhing the mig Signing the Harh