	Jessica Bragan				
	BE comp 2	PAGE NO :			
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. Ita pasianniah	4 k				
ice Assignment 7					
M 6-1-2- 600 01- 1241					
1) Explain Ecc Algorithm					
Ans. 1) An elliptic work is a get of points on the w-ordinate plans					
eartisfying an equation of the form y2+any+by=x3+cx2+dx+e					
2) In order to use elliptic curios for Diffie Hellman there needs					
to be some mathematical operation on two points in the set					
that will always produce a point also in the set.					
3) Fix can be done with atleast two types of arithmetic each					
of which gives different definit	ions of multiplica	ation ap anithmetic.			
@ GF (2°) withmetic which can be done with shifts and (+) 3.					
a) to form a vryptographic system	m using elliptic	wives, we need			
to find a hard problem coursesponding to factoring the product					
of two primes or taking the o					
B) consider the equation Q = KP on	show O, P & Epl	a,b) and K< P.			
It is relatively easy to calcula	te @ given K and	a P but it is			
siciatively hand to determine					
This is called the discuste log	arithmic problem	m for elliptic curves.			
ex Application of Ecc Algorithm	d de maria	y rel			
Ans 1) Enoughian					
2) Digital Sypotumes					
3) Pseudo - Random generatores					
4) Integer factorization algorithms.					
a) Learne Flicatic warve Factori zation					
6) Fire prime fields for for certain prime p of oixed 192,224.					
006 384 and 521		100			
A) Fine binary Reich Fa Fou	m equal 168,2	33, 203, 409,			
and 571 , east binary field	one elliptic a	enthe and eve			
Kopútz mase	<u> </u>				
KOO'ULA LIMA					

	Symmetric key size	RSA Key	8) XC.	Eulptic Key sizo
			5)	bits)
	(bits)		1	160
71	80		8	224
	112			256
2.4.27	128		2	384
	192			521
1	256	1536		
	and you say the state of a state of	to exert till by		
	ONE STREET HE WAS		12 - 4 1	
3 1 1 · · ·	ELC		RS A	· · · · · · · · · · · · · · · · · · ·
Lynia.	and the same of the same			
<u>)</u>	Eurphic morre cary	-		- Shamir - Aldeman
3	(Eu)	s. a set six t	gystem (Re	(As
Auto	m english true de mo	<u> </u>		re great and the second second
رد	Each participant nee	educa	Each participant has a privat	
4	private key.	key and pub		ublic key.
3)_	Easier implementation	on of black	Beilivity of the system	
	מסאב נואעצ אפנם			
	by MST		of factorising n	
	d		San Colore	7
4)	Edward waves mon	турттену	Algorithm of format quadre	
	장이 생각하다 그리다 회사와 있어 없는 하는 것들은 교실이 하지만 되었다. 그리고 있는 그를 다 들어 보고 있다면 하다 하다.		sieve number field sieve	
All Control	cusive			District States
	Anna Carlotte Carlott			
J. L	e Ethyman ai wett	occurried on	200	
II. Maine	1) butical Infrastructu			that modern

2) Application security:
uses Bottware and hardware methods to tackle external
threats that can arise in the development stage of an
application, they are much more accessible over notworks,
causing the adoption of security measures during
development phase to an imperative phase of the project.
eg. Firewalls, antivirus programs.
3) Network security-
It guards against unauthorized inmusion of your internal
networks due to malicious.
Eg. extra logins, new passwords.
4) Could security:
A software based security tool that protects and manitors
the data in your cloud nesources.
cloud providers are constantly creating and implementing
new security tools to help enterprise users better secure their
data.
5) Internet of Things (IOT) security:
TOT devices are frequently sent in a vulnerable state and
offer little to no security patching. This poces unique security
chauenges for all work.
by How to classify different attacks in computer and information
3 Hulem?
Ans: Passive Atlack:
i) The attacker indulges in caverdropping on, or monitoring
of data transmission.
2) it attempts to leave on make use of information from
the system but does not affect system nesocurces.

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3) The attacker aims to obtain information that is in transit.
The term passive indicates that the attacker does not
attempt to perform any modifications to data.
· Reloade of meseage content .
· Traffic Analysis
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Active Attack -
1) Active attacks involve some modification of the data stream
or the creation of a false stream.
2) These attacks cannot be prevented easily.
· Masquerade
* Replay
- modification of message
Denial of service.
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