Q. P. CODE: 363801

(21/2 hours)

Total Marks: 75

J R	(1) All questions are compulsory.	
ч. D	in the language manifold will be a community of the control of the	
	(2) Answers to the same question must be written together	
	the state of the wight indicate marks.	
	to be and diagrams wherever necessary.	o d
	(6) Use of Non-programmable calculators is allowed.	
	(6) Use of Mon-programmass	10
	to the following:	10 /
1.	Attempt <u>any two</u> of the following: Explain with example different approaches to implement security model.	17
a.	Encrypt the message 'Come Home Tomorrow' using	K.
b.		
	i. Ceaser Cipher ii. Simple Columnar Transposition Techniques with four columns. Order is 3,2,43	
	ii. Simple Columnar Transposition Techniques with roar constant information	
c.	Explain how attackers misuse cookies to collect important information.	
d.	List possibilities of attacks when the sender of a message	
u.	message into its corresponding cipher text.	
		10
2.	Attempt any two of the following: Attempt any two of the following: Explain with example.	
a.	List different types of cryptography algorithms. Explain	
а. b.	to 1 the stone in verious rounds of ALO.	
	Explain the steps in various rotates of blowfish algorithm.	
C.	Explain double DES algorithm.	
d.	Explain dodole DES a.8.	10
-	Attempt any two of the following:	10
3.	How is RSA is used in digital signatures? Explain.	
a.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
b.	Explain the working of section men mg	
c.		
d.	Explain Elipitic Curve Cryptography and Elipitic Curve Cryptography	
	a.d. C. Nawing	10
4.	Attempt <u>any two</u> of the following:	
a.	Describe of the various fields of X.509v3 digital certificate.	
b.	How is digital certificate is verified? Explain.	
c.	Why do we trust digital certificate?	
d	the line have one mitography Standards.	
		10
5	Attempt any two of the following:	
a	Evaloin the handshakt-protocol.	
	with the diagram write the internal operations of 3-D seedic process	
	List the different firewall configurations. Explain any two.	
	20 : 사람들은 보다 하면 하다 사람들은 물로에서 모임하는 것으로 보이고 싶다.	10
es d	6. Attempt any two of the following:	11
	Low does clear text password work? What are the problems with	
	A A THOUGH AND MACHO! DAPING!	
	d What are the One-way authorition approximation	

Attempt any three of the following: 7.

Write a short note on phishing. a.

- Explain subkey generation process of each round of international data encryption b. algorithm.
- Explain with a neat diagram the man-in-middle attack. c.
- Why is a self-signed certificate needed? d.
- Explain the working of how pretty good privacy. e.
- How does certificate-based authentication work? Explain. f.

15