R13

Code No: JAW	AHARLAL NEHRU TE B: Tech III Year 1	CHNOLOGI Semester E DRMATION	xaminations,	RSITY HYD May - 2016	DERABAD.	
			d Engineering	)		
Time: 3ho					Max.Marks:75	
Par cor	s question paper contains. It A is compulsory which consists of 5 Units. Answer as marks and may have a, b, o	arries 25 marl ny one full qu	s: Answer all estion from each	questions in F ch unit. Each	Part A. Part B question carries	SR
		PART-	A			
*** **** * * * * * * * * * * * * * * * * *	, BRIVE	X Ayex X A Y X Ayex X Nyex X X Y X X Y X X Y	*** **** **** *** *** *** *** *** ***	**************************************	(25 Marks)	* * * * * * * * * * * * * * * * * * *
b) Cor c) Cor	mat are the types of security mpare substitution ciphers mpare block ciphers with s ite about strength of DES	with transpos stream ciphers	ition ciphers.		[2] [3] [2] [3]	
er.:Wh	at is a digital:signature?:: at properties must a hash	** ****	to be useful fo	r message aut	hentication?[3]	X 0 X 0 X 9 4 6 X X 0 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 4 X 4 X 4 4 X 4 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X 4 X
g) Wh h) Wh par i) Wh	nat are the various PGP ser nat parameters identify an sticular SA? nat is cross site scripting vulat are the limitations of fin	vices? SA and what pulnerability?			[2]	
*.*.* : *.	gang Teest kalisa a sa arang angses Bangan ang ang ang ang ang ang ang ang an	PART-	R			
		PARI-	<b>D</b>		(50 Marks)	
Pla Sec	nsider the following: intext: "PROTOCOL" oret key: "NETWORK"					AND NATE OF NA
Wh	at is the corresponding cip at is the need for security?		play fair cipho	er method?	[5+5]	
3.a)Ext	plain the model of network ite about steganography.	security.	X × X × X × X × X × X × X × X × X × X ×	XX*	::::[5+5]	Wex exee e e N e 5 e e K e 0 e K e 0 e K e K e e X
	plain the AES algorithm.	OR			[10]	
	nsider a Diffie-Hellman sc	heme with a c	ommon prime	q=11, and a	primitive root	*** ×***
α=2 a) I b) I	f user 'A' has public key." f user 'B' has public key '	Y ≟9, what is Y B=3, what is	A.s private ke shared secret k	y X <sub>A</sub> . key K.	[5+5]	6 4 X 4 X 7 X 4 X 7 X 4 X 4 X 4 X 4 X 4 X
	plain HMAC algorithm.	OR			[10]	
7.a): :::Exp	plain the DSA algorithm.	* * * * * * * * * * * * * * * * * * *	**************************************		(ii) [ii) [5+5]	**** ****  * * * * *  * * * * *  * * * * *  * * * * *  * * * * *  * * * * *  * * * * *

7.3							
		in PGP trust mo		et mail architectur	(E)   F)   re?	[5+5]	:! :!
	9.a) Expla b)What	in MIME contex	ct types.  cipal services pro  ::::  onic transaction.	OR  ovided by PGP?		[5+5] [10]	
	11.a) Expla b) What	in password man are the types of	nagement.	OR SS		[5+5]	
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	ËR						
		SR.					
			ER				
			SK		SR	SR	
		SR					
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