Code.No: RR410504





IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010 NETWORK SECURITY AND CRYPTOGRAPHY (COMPUTER SCIENCE AND ENGINEERING)

Ti	me: 3hours	Max.Marks:80
	Answer any FIVE questions	
	Answer any FIVE questions All questions carry equal marks te short notes on: Play fair cipher Hill cipher lain various components of symmetric cipher model [8+8] ccuss in detail about S-DES (Simple – DES) algorithm. [16] nonstrate that Blowfish decryption is inverse of Blowfish Encryption. [16] te short notes on: Random Number Generation. Public Key Cryptography. [8+8] e and prove Fermat's Theorem. [8+8] at is hash function? List the requirements for a Hash function. lain DSS (Digital Signature Standard) algorithm. [8+8] te short notes on electronic mail services. at are the services provided by IP security? [8+8] te short notes on:	
1. a)		
b)	Explain various components of symmetric cipher model	[8+8]
2.	Discuss in detail about S-DES (Simple – DES) algorithm.	[16]
3.	Demonstrate that Blowfish decryption is inverse of Blowfish E	Encryption. [16]
4.		[8+8]
5. a) b)	State and prove Fermat's Theorem. State and explain Euler's Theorem.	[8+8]
6. a) b)	What is hash function? List the requirements for a Hash funct Explain DSS (Digital Signature Standard) algorithm.	
7. a) b)	Write short notes on electronic mail services. What are the services provided by IP security?	[8+8]
8.	 Write short notes on: a) Trapdoor. b) Logic Bomb c) Viruses. d) Trojan Horse. 	[4+4+4+4]

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	IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010 NETWORK SECURITY AND CRYPTOGRAPHY (COMPUTER SCIENCE AND ENGINEERING)		
Ti		.Marks:80	
	Answer any FIVE questions		
	All questions carry equal marks		
1.	Demonstrate that Blowfish decryption is inverse of Blowfish Encryption	otion. [16]	
2.	Write short notes on:		
	a) Random Number Generation.		
	b) Public Key Cryptography.	[8+8]	
3. a)	State and prove Fermat's Theorem.	\mathbf{O}	
b)	State and explain Euler's Theorem.	[8+8]	
- /			
4. a)	What is hash function? List the requirements for a Hash function.		
b)	Explain DSS (Digital Signature Standard) algorithm.	[8+8]	
5. a)	Write short notes on electronic mail services.	50.07	
b)	What are the services provided by IP security?	[8+8]	
6.	Write short notes on		
0.	Write short notes on: a) Trapdoor.		
	b) Logic Bomb		
	c) Viruses.		
	d) Trojan Horse.	[4+4+4+4]	
7. a)	Write short notes on:		
	i) Play fair cipher		
	ii) Hill cipher		
b)	Explain various components of symmetric cipher model	[8+8]	
8.	Discuss in detail about S-DES (Simple – DES) algorithm.	[16]	

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SET-3

	IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010 NETWORK SECURITY AND CRYPTOGRAPHY (COMPUTER SCIENCE AND ENGINEERING)	
Ti	me: 3hours Max.Marks:8	30
	Answer any FIVE questions	
	All questions carry equal marks	
1. a)	State and prove Fermat's Theorem.	-0 , 01
b)	State and explain Euler's Theorem.	[8+8]
2. a)	What is hash function? List the requirements for a Hash function.	
b)	Explain DSS (Digital Signature Standard) algorithm.	[8+8]
3. a)	Write short notes on electronic mail services.	
b)	What are the services provided by IP security?	[8+8]
4.	Write short notes on:	
	a) Trapdoor.	
	b) Logic Bomb	
	c) Viruses.	4 47
	d) Trojan Horse. [4+4+	4+4]
5. a)	Write short notes on:	
	i) Play fair cipher	
	ii) Hill cipher	
b)	Explain various components of symmetric cipher model	8+8]
6.	Discuss in detail about S-DES (Simple – DES) algorithm.	[16]
_		
7.	Demonstrate that Blowfish decryption is inverse of Blowfish Encryption.	[16]
8.	Write short notes on:	
	a) Random Number Generation.	
	b) Public Key Cryptography. [[8+8]

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	Code.No: RR410504 RR SET-4 IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010 NETWORK SECURITY AND CRYPTOGRAPHY (COMPUTER SCIENCE AND ENGINEERING) Time: 3hours Max.Marks:80 Answer any FIVE questions All questions carry equal marks			
1. a) b)	Write short notes on electronic mail services. What are the services provided by IP security?	[8+8]		
2.	 Write short notes on: a) Trapdoor. b) Logic Bomb c) Viruses. d) Trojan Horse. 	+4+4+4]		
3. a)	Write short notes on:i) Play fair cipherii) Hill cipher			
b)	Explain various components of symmetric cipher model	[8+8]		
4.	Discuss in detail about S-DES (Simple – DES) algorithm.	[16]		
5. 6.	Demonstrate that Blowfish decryption is inverse of Blowfish Encryption Write short notes on:	. [16]		
	a) Random Number Generation.b) Public Key Cryptography.	[8+8]		
7. a) b)	State and prove Fermat's Theorem. State and explain Euler's Theorem.	[8+8]		
8. a) b)	What is hash function? List the requirements for a Hash function. Explain DSS (Digital Signature Standard) algorithm.	[8+8]		
