Total No. of Questions: 10	Total No	. of (Duestions	:10
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SEAT No. :

P3632

[4959]-1121

[Total No. of Pages :2

B.E. (Information Technology) INFORMATION AND CYBER SECURITY (2012 Pattern) (End-Sem.) (Semester -I) (414453)

	The Hours Sions to the candidates: Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10. Neat diagrams must be drawn wherever necessary. Figures to the right side indicate full marks. Assume suitable data if necessary.	[Max. Marks :70]
Q1) a)	Explain the following terms with example. Confusion and diffusion	[5]
b)		[5]
	OR	
Q2) a)	Draw block diagram of SHA-1 and state the general step is	n the process.[5]
b)	State and prove Fermat's theorem.	[5]
Q3) a) b)		ence diagram.[5]
Q4) a) b)	What is mean by modular arithmetic and exponentiation What are the possible attacks on DES?	? [5]

Q5)	a)	a) Explain SSL hand shake and SSL Record protocol in detail with sketch.		
	b)	Differences between. [8]		
		i) HIDS and NIDS.		
		ii) IDS and IPS.		
		OR		
Q6)	a)	List the benefits of IPSec. Distinguish between tunnel and transport mode in IPSec [8]		
	b)	What is the purpose of the SSL record layer protocol and handshake protocol? [8]		
Q7)	a)	Describe the Indian and global legal perspective on cyber crime. [8]		
	b)	Explain the types of cyber crime in detail. [8]		
		OR		
Q8)	a)	What is Cyber stalking? Types of stalkers (online and offline). [8]		
	b)	Explain what are the different attacks launched with attack vector. [8]		
Q9)	a)	What is the difference between proxy servers and an anonymizers? [8]		
	b)	Explain phishing and password cracking. [10]		
		OR		
Q10)Writ	te short note on following. [18]		
	a)	Key loggers and Spywares.		
	b)	Indian IT Act and its challenges.		
	c)	SQL Injection and Digital signatures.		