Total No. of Questions : 8]	80	SEAT No. :
PB4009	[6262]-362	[Total No. of Pages : 2
T.E.	(Honors in Cyber Sec	urity)
INFORMA	TION AND CYBER	SECURITY
(2010 Do	ttorn) (Comostor I)	(310401)

	(2019 Pattern) (Semester - I) (310401)	
	2½ Hours] [Max. Marks tions to the candidates:	: 70
1)	Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.	
2)	Neat diagrams must be drawn wherever necessary.	
3)		
4)	Assume suitable data, if necessary.	
Q1) a	, , ,	ions
	of MDS.	[9]
b	Discuss Diffie-Hellman key exchange algorithm with example.	[8]
	OR OR	
Q2) a)	Explain the steps for creating Digital Signature.	[9]
b) Discuss EL-Gamal arithmetic algorithm with example.	[8]
Q3) a)	Explain risk identification, risk Assessment, risk control strategies.	[9]
~ .		
b		[8]
	OR	
Q4) a)	Explain with suitable example.	[9]
	Explain with suitable example.i) Crimes against individuals	
	ii) Crimes against organizations	
	iii) Crimes against society	
h		[01
b) Define cyber-crime. Explain any three categories of cyber-crime.	[8]
Q 5) a)	Discuss working of PKI in detail.	[9]
b	Explain the X.509 Certificate.	[9]
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	OR OR	

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Q6)	a)	What is Firewall? What are its types and list out its various functional	11ties. [9]
	b)	Explain the SSL web security in detail.	[9]
	ŕ		
Q7)	a)	Explain intrusion detection system & its types.	[9]
	b)	Explain in detail SQL injection attach.	[9]
		OR	
Q 8)	a)	What is Virus? What are the types of virus?	[9]
	b)	Discuss buffer overflow, spyware, adware in detail.	[9]
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