## 

15162 3 Hours / 100 M	Iarks	Seat No.							
Instructions :	(2) Illustro (3) Figure (4) Assum	estions are <b>con</b> ate your answe s to the <b>right</b> i e suitable data <b>ably</b> , write the	rs with nean near near near near near near near	<b>ıll</b> mark <b>ar</b> y.	ks.		e <b>r</b> nec	essary	<i>?.</i>
								N	Marks
<ul><li>1. a) Attempt any three</li><li>i) State the need to</li><li>ii) Describe role to</li><li>iii) Define the follow</li></ul>	for computer s pased access co	•							12
<ul><li>A) Cryptograp</li><li>C) Cryptanaly</li><li>iv) Define virus an</li></ul>	sis		yptology pher text						
<ul><li>b) Attempt any one:</li><li>i) Describe the fo</li><li>A) Sniffing</li><li>ii) Describe data</li></ul>	llowing attack	B) Sp	ooting						6
2. Attempt any two:									16
a) Describe CIA mode	el for compute	r security with 6	example.						
b) What is the importa and verification pro		rics in compute	r security?	Descri	be fing	er prin	ts regi	stratio	n
<ul> <li>c) Explain rail fence te fence technique.</li> </ul>	echnique with a	llgorithm. Encry	pt "Compi	uter Seco	urity Te	echnolo	ogy" u	sing ra	il
3. Attempt any four:									16
a) Explain VPN with:	neat diagram.	Enlist different	VPN proto	cols.					
b) Describe different p	password selec	ction criteria.							
c) Distinguish betwee	n symmetric a	nd asymmetric l	key cryptog	graphy (	four po	oints).			
d) Describe Host base	ed IDS with its	advantages and	d disadvan	tages.					
e) Describe SET with	its requiremen	nts and participa	ints.						
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4.	a)	Attempt any three:	12
		i) Explain simple columnar transposition technique with algorithm and example.	
		ii) Describe IP security architecture.	
		iii) Define cyber crime. List different types of cyber crimes.	
		iv) What is software piracy?	
	b)	Attempt any one:	6
		i) Explain DOS and DDOS with neat diagram.	
		ii) Explain worm and virus. Differentiate between worm and virus.	
5.	At	ttempt any two:	16
	a)	Explain individual user responsibilities in computer security.	
	b)	What is PGP? How PGP is used for email security?	
	c)	Explain characteristics, working, design principle and limitation of firewall.	
6.	At	ttempt any four:	16
	a)	Describe dumpster diving with its prevention mechanism.	
	b)	Explain the term steganography with example.	

c) Describe the concept of kerberos.

e) What is TLS? What are two layers of TLS?

d) Describe IT Act 2008