[This question paper contains 2 printed pages.]

Sr. No. of Question Paper : 278 E Your Roll No.....

Unique Paper Code : 234657

Name of the Course : BA Programme

Name of the Paper : Information Security [CA 3B]

Semester : VI

Duration: 3 Hours Maximum Marks: 45

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.

- 2. Section A is compulsory.
- 3. Attempt any three questions from Section B.
- 4. Parts of a question must be answered together.

SECTION A

1.	(a)	Describe the term plain text and cipher text.	(2)
	(b)	Define any two components of information security.	(2)
	(c)	How Trojan horses infect the computer?	(2)
	(d)	What is the difference between law and ethics?	(2)
	(e)	Explain direct attacks on computer networks.	(2)
	(f)	What is privacy in an information security context?	(2)
	(g)	Describe various components of risk identification.	(3)
2.	(a)	Describe any three key information security concepts.	(5)
	(b)	With the help of a suitable diagram, explain the encryption and decry	ption
		in symmetric and asymmetric cryptosystem.	(5)

3.	(a)	Explain "Man-in-the-middle" and "Brute-force" attacks. (3)			
	(b)	Why is data the most important asset an organization possesses? What other assets in the organization require protection? (5)			
4.	(a)	What is authorisation? Name two authorisation techniques used in access control. (5)			
	(b)	What are the various types of malware? How do worms differ from viruses? (5)			
5.	(a)	Describe confidentiality and integrity in context of information security. (3)			
	(b)	Discuss the relationship between information security and physical security. (3)			
	(c)	Briefly explain about back doors and Distributed Denial of Service. (4)			
6.	Wri	Write short notes on any four:			
	(a)	Steganography			
	(b)	Spoofing			
	(c)	Malicious code			
	(d)	Security policy			
	(e)	Digital Signature (2.5×4=10)			