Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME Sem-II Summer Exam 2012

Subject code: 725106

Subject Name: ETHICAL HACKING & CYBERLAW

Date:12/07/12 **Total Marks: 70** **Duration:10.30am to 1.00pm**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**		**07**
	a1.	Trojans and Backdoors and how an attacker can use them to have access to any victim system	**03**
	a2.	How to Protecting Trojans and Backdoors	**03**
	a3.	Name any three protocol which are vulnerable for sniffing	**01**
	(b)		**07**
	b1	What is Event log? Why Event logs are not enough for security experts to pore through after a security event has occurred? what else is needed for security expert	**05**
	b2.	Write major features of Automated Security tools	**02**
Q.2	**(a)**		**07**
	a1	What is Penetration Testing?	**02**
	a2	Write a procedure for penetration testing	**05**
	(b)		**07**
	b1.	Explain Session hijacking , denial-of-serives and man-in-the-middle attack.	**04**
	b2.	How to prevent Session hijacking?	**03**
		OR	
	(b)		**07**
	b1.	What is Cookie and Cookie Poisoning Attack ?	**05**
	b2.	What is Cross-Site Request Forgery Attacks ?	**02**
Q.3	**(a)**		**07**
	a1.	Explain Web FUZZING?	**04**
	a2.	Write key Concepts of Cross-Site Request Forgery	**03**
	(b)	What is SQL Injection? How to prevent form SQL injection	**07**
		OR	
Q.3	**(a)**	Write the steps that a hacker must follow to make a foot print of an organization.	**07**
	(b)	Write any five Intents of SQL Injection Attack and explain it.	**07**
Q.4	**(a)**	What is honeypots explain production honeypots and research honeypots in details.	**07**
	(b)	What is PGP & GPG? Describe Dual –Key encryption & Its risks	**07**
		OR	
Q.4	**(a)**	Explain the benefits of deploying a honeypot in details	**07**

	(b)		**07**
	b1.	Write low-interaction and high-interaction honeypots	**03**
	b2.	Write a explain in brief the type of Cyber Crimes against Individuals	**04**
Q.5	**(a)**	What is Cyber Crime? Explain Cyber stalking and Cybercriminal	**07**
	(b)	Write any Three type of Cyber Crime in details	**07**
		OR	
Q.5	**(a)**	Explain the Role of digital signature in E-Commerce security system.	**07**
	(b)	Write the background of Information Technology Act, 2000 along with its salient	**07**

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