GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II(New course) • EXAMINATION (Remedial) – WINTER- 2015

Subject Code: 2725103 Subject Name: Information System & Network Security Time: 2:30 pm to 5:00 pm Instructions: Date: 10/12 Total Marks			2/2015	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Discuss scenario, How does spoofing helps to attacker in wireless security attacks? Explain frauds possibility and countermeasures to avoid risk of theft in case of Net banking.	07 07	
Q.2	(a)	How does Integrity is essential pillar in information security, How do we achieve it, explain?	07	
	(b)	How Password plays a important role in authorization?	07	
		OR		
	(b)	Write Short note on Risk Analysis.	07	
Q.3	(a)	Discuss about common password vulnerabilities. Mention the type of password cracking attacks, with the tools and steps taken.	07	
	(b)	How data privacy is important in information security? Explain Sarbanes Oxley 2002.	07	
Q.3	(a)	OR Write Short note on E-Commerce Security.	07	
	(b)	What do you understand by threat agents in information security? Explain security attack classification.	07	
Q.4	(a)	Explain steps in the Risk Assessment and Risk mitigation with an example?	07	
	(b)	Discuss Model of Network Security.	07	
		OR		
Q.4	(a)	How Rules of engagement are necessary in Penetration testing? Explain its scope, steps and clauses.	07	
	(b)	Explain its types and life cycle of Digital certificate.	07	
Q.5	(a)	What is the difference between Cross Site scripting and Cross site request forgery? Explain the types of Cross site scripting.	07	
	(b)	Explain Web of trust model and its types.	07	
		OR		
Q.5	(a)	Discuss in the terms of security threats about Virus, Worm, Trojan, Backdoor, Rootkit, Spam, Spyware, Malware and Key-logger.	07	
	(b)	How many types of penetration testing are there? Explain Blue team and red team concept in PT.	07	
