Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER • 2013

Subject code: 725101 **Date: 24-12-2013**

Subject Name: Application Security

Time: 10.30 am – 01.00 pm **Total Marks: 70**

Instructions:

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

Q.1	**(a)**	What is Insufficient Transport Layer Protection? Explain with some examples.	**07**
	(b)	What is an interpreted language? Give some examples.	**07**
Q.2	**(a)**	Explain what is "Failing to Restrict URL Access" with some examples.	**07**
	(b)	What are the advantages and disadvantages of an interpreted language?	**07**
		OR	
	(b)	Discuss Insecure Cryptographic Storage with the help of some examples.	**07**
Q.3	**(a)**	What do you mean by type checking? Explain dynamic typing and static typing?	**07**
	(b)	What is Security Misconfiguration? Give some examples.	**07**
		OR	
Q.3	**(a)**	What is the difference between syntax and semantics? Give some examples.	**07**
	(b)	What is Cross Site Request Forgery? Give some examples.	**07**
Q.4	**(a)**	What is an exception handler? Why we should use exception handlers?	**07**
	(b)	Discuss Insecure Direct Object References in detail.	**07**
		OR	
Q.4	**(a)**	Discuss the difference generations of Programming Languages with some examples.	**07**
	(b)	Explain Broken Authentication and Session Management in detail.	**07**
Q.5	**(a)**	What is cross site scripting? How it affects the security of an application?	**07**
	(b)	What is command injection? What are the risk involved if a web application is vulnerable to command injection?	**07**
		OR	
Q.5	**(a)**	Discuss Regular expression from a python perspective.	**07**
	(b)	Discuss File I/O in python. What are the native data types in Python?	**07**

****