GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II– EXAMINATION – WINTER - 2016

	•		Date: 17/11/ 2016	
Subject Name: Application Security Time: 2:30 pm to 5:00 pm Total Mark Instructions:			ks: 70	
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	What is web application Security? Why are web applications vulnerable? Explain term "Cross-Site Scripting".	07 07	
Q.2	(a) (b)	Explain Web Application Firewall. Discuss Broken Authentication and Session Management. OR	07 07	
	(b)	Explain pattern matching using regular expression of MySQL with examples.	07	
Q.3	(a) (b)	Explain Operator Overloading in Python with example. Explain transaction management in MySQL. OR	07 07	
Q.3	(a) (b)	Explain the properties and basic operation of Dictionary in python. Explain Control flow statement IF(), IFNULL, NULLIF() of MySQL with examples	. 07 . 07	
Q.4	(a) (b)	Explain String functions LTRIM, LPAD,INSTR,FIELD of MySQL with examples. Discuss SQL injection attacks, Explain how to prevent it using MySQL with exampl OR	07 e. 07	
Q.4	(a) (b)	Write short note on Data definition statements in MYSQL. Explain MySQL Database backup and recovery methods.	07 07	
Q.5	(a) (b)	Explain Assert Statement in Python with Example. Explain Inheritance in Python with example. OR	07 07	
Q.5	(a) (b)	Write Various File Handling method in python Explain the properties and basic operation of List in python.	07 07	
