Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY M. F. SEMESTER - III • EXAMINATION - SUMMER • 2014

		W. E. SEWESTER III EXEMPLIANT SOUTHER 2014	
y			
	•	Name: Advanced Internet Technology 2:30 pm - 05:00 pm Total Marks: 70	
Ins		tions: Attempt all questions.	
	2. 3.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Explain working of Proxy servers. Also Explain architecture of proxy servers in WAN.	07
	(b)	Explain SSL and TLS with their working and security measures.	07
Q.2	(a)	Explain XML and SGML in detail.	07
	<b>(b)</b>	Explain Inter-query and Intra-query parallelism.  OR	07
	(b)	Differentiate Digital Signature and hashing. Explain use of Digital Certificate in web application.	07
Q.3	(a)	Explain terms cookies, active web pages, CNAME record, SSL.	07
	<b>(b)</b>	Explain various functions of CGI script with respect to DNS.  OR	07
Q.3 (a) (b)	(a)	Explain E-cash and E-wallet technologies with neat diagram	07
	What is a hardened firewall host? What are its functions? In what way is it different from proxy application gateway?	07	
Q.4	(a)	Explain various types of DNS records and use of each record.	07
	<b>(b)</b>	Describe various client and server side vulnerabilities.	07
0.4		OR	
<b>Q.4</b>	(a)	Explain socket and differentiate ARP & RARP protocol.  Describes various supportabilities for access Web using Mebile and wireless systems.	07
	<b>(b)</b>	Describes various vulnerabilities for access Web using Mobile and wireless systems.	07
Q.5	(a)	Explain Secure Electronic Transaction (SET) with neat diagram.	07
	<b>(b)</b>	Explain architecture of web server and differentiate IIS server and Apache server.	07

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Explain architecture of search engine and its optimization.

Differentiate Session tracking and hijacking.

Q.5

(a)

**(b)** 

**07** 

**07**