Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – III • EXAMINATION – WINTER • 2014

Subject code: 730202 **Date: 27-11-2014**

Subject Name: Advanced Internet Technology

Time: 02:30 pm - 05:00 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 Web Services? Explain Provider Consumer Architecture of SOA.	**07**
	(b)	What is Internet? Explain Architecture of Internet.	**07**
Q.2	**(a)**	What is role of robots in search engine? Explain web-crawlers in detail.	**07**
	(b)	What is valid and validate XML? Differentiate DTD and XSD.	**07**
		OR	
	(b)	What is E-commerce? Explain each type and give the real world explains of each type.	**07**
Q.3	**(a)**	What is cookie? Give its advantage and significant over internet communication. Why cookie is vulnerable for the user?	**07**
	(b)	Describe CGI script? Where does it execute? Explain four CGI environment variable set by the server.	**07**
		OR	
Q.3	**(a)**	What are the types of attacks in terms of security? Explain DOS attack on server.	**07**
	(b)	What is proxy server? Explain each type in detail.	**07**
Q.4	**(a)**	Explain Inter-query and Intra-query parallelism, Inter-operation & Intra-operation parallelism	**07**
	(b)	Explain Centralized systems and Client server systems with example.	**07**
		OR	
Q.4	**(a)**	Explain Collaborative communication? Explain Collaborative distance education.	**07**
	(b)	Explain ERP life cycle in brief.	**07**
Q.5	**(a)**	Develop XML representation document for graduate Degree Certificates. And also create XSD for it.	**07**
	(b)	What is web-server? Name each type of web server and explain the architecture of any one of them.	**07**
		OR	
Q.5	**(a)**	What is the payment protocols use in internet application? Explain each in brief.	**07**
	(b)	Develop XML representation document for ñBusiness letter communicating for applying for post of java developerò and also validate document using DTD.	**07**

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