Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## ME- SEMESTER II— EXAMINATION – SUMMER 2015

Subject Code: 2725603 Date		Code: 2725603 Date: 30/05/20	: 30/05/2015	
Su	ibject l	Name: Cloud Computing		
Ti	Time: 2:30 PM - 5:00 PM Total Marks		<b>70</b>	
Ins	struction	is:		
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	What is Cloud Computing? Explain its Characteristics.	07	
	(b)	Differentiate Cloud Computing and Grid Computing.	07	
Q.2	(a)	Explain Cloud Service Model.	07	
<b>~·-</b>	(b)	What is parallel processing? Explain hardware architectures for parallel	07	
	( )	processing.		
		OR		
	<b>(b)</b>	Explain basic architecture of web services.	07	
Q.3	(a)	What is virtualization? List out advantages and disadvantages of	07	
		virtualization.		
	<b>(b)</b>	Explain hardware-level virtualization and types of hypervisor.	<b>07</b>	
		OR		
Q.3	(a)	Differentiate Para virtualization and OS level virtualization.	07	
	<b>(b)</b>	Explain full virtualization (VMware) with reference model.	07	
Q.4	(a)	Differentiate SOAP based web service and REST based web service.	07	
	<b>(b)</b>	Explain infrastructure as a service of Amazon.	07	
<u> </u>		OR		
Q.4	(a)	Explain WSDL.	07	
	<b>(b)</b>	Explain platform as a service of Google.	07	
Q.5	(a)	What is Hadoop? Explain GFS and HDFS.	<b>07</b>	
	<b>(b)</b>	Explain SOA and its characteristics.	07	
0.5	( )	OR Evalain ManDadyaa Madal	07	
Q.5	(a) (b)	Explain MapReduce Model.  Explain security issues of cloud computing.	07 07	
	(D)	Explain security issues of cloud computing.	U /	

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