Seat No.: \_\_\_\_\_ Enrolment No.\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## MCA SEMESTER IV - EXAMINATION - WINTER 2016

Subject code:2640013	Date: 26/10/2016
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**Subject Name: Cloud Computing** 

Time:10.30 AM TO 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) (b)	Draw and explain cloud computing reference model What is virtualization and what are its benefits?	07 07
Q.2	(a) (b)	What is an SIMD architecture? What is the difference between parallel and distributed computing?  OR	07 07
	<b>(b)</b>	Provide a brief characterization of a distributed system.	07
Q.3	(a) (b)	List and discuss different types of virtualization.  What is Xen? Discuss its elements for virtualization.  OR	07 07
Q.3	(a) (b)	Discuss classification or taxonomy of virtualization at different levels.  Discuss the architecture of Hyper-V. Discuss its use in cloud computing	07 07
Q.4	(a)	Describe Amazon EC2 and its basic features.	07
	<b>(b)</b>	Describe the core components of AppEngine.  OR	07
Q.4	(a)	Compare hardware and software power management techniques.	07
	<b>(b)</b>	Describe the major characteristics of the RESERVOIR project .	07
Q.5	(a)	How Spring Integration works in AWS	07
	<b>(b)</b>	What is a bucket? What type of storage does it provide?	07
		OR	
Q.5	(a)	Illustrate the architecture of SQL Azure.	07

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(b) Write code for AWS Flow Framework for Java Synchronous Replay Behavior

**07**