Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY** MCA – SEMESTER IV – • EXAMINATION – SUMMER 2017

		Code: 2640020 Date: 08-06-201 Name: Virtualization and Application of Cloud	7
Tiı	-	0:30 am - 01:00 pm Total Marks: 7	0
		Attempt all questions.  Make suitable assumptions wherever necessary.	
Q.1	(a)	Define Cloud Computing? What are the 5 essential characteristics of cloud computing?	07
	<b>(b)</b>	What do you mean by virtualization? Explain in detail the types of virtualization.	07
Q.2	(a)	Explain the applications of cloud in real life.	07
	<b>(b)</b>	Define File system. Explain the different file systems available for cloud storage.  OR	07
	<b>(b)</b>	Define virtual machine. What are the similarities between cloud computing and virtualization.	07
Q.3	(a)	Explain the predecessor and contributor technologies of cloud computing.	07
	<b>(b)</b>	Explain the various cloud computing platforms available in market.	07
Q.3	(a)	<b>OR</b> List and explain the essential things to be known while migrating to cloud.	07
	<b>(b)</b>	Define cloud architecture. Explain in detail the single and multi site architecture.	07
Q.4	(a) (b)	Explain the seven step model for migration to cloud Explain (Infrastructure as a Service) IaaS in detail.	07 07
		OR	
Q.4	(a)	<ul><li>(i) Explain the types of Hypervisor in detail</li><li>(ii) Cloud computing can save money. Justify.</li></ul>	04
	<b>(b)</b>	What do you mean by multi-tenancy? Explain the advantages and disadvantages of the same.	07
Q.5	(a)	What do you mean by EC2? Explain in detail.	07
	<b>(b)</b>	What is risk management? Explain the steps involved in risk management process.	07
Q.5	(a)	<b>OR</b> Explain in detail the services provided by the Window's Azure.	07
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	<b>(b)</b>	Explain the applications of Google AppEngine in detail.	07

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