

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2021****Subject Code:3170717****Date:15/12/2021****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.
4. Simple and non-programmable scientific calculators are allowed.

		<b>MARKS</b>
<b>Q.1</b>	(a) Explain Challenges and Applications of Cloud computing.	<b>03</b>
	(b) What are the advantage of Virtualization using in cloud computing?	<b>04</b>
	(c) Explain various layers of Cloud Computing.	<b>07</b>
<b>Q.2</b>	(a) Difference between public and private cloud.	<b>03</b>
	(b) What are the services provide by SaaS?	<b>04</b>
	(c) What are the benefits of “Platform As a service”(PaaS)? Explain with example.	<b>07</b>
<b>OR</b>		
	(c) Describe Virtual Machine Migration Services.	<b>07</b>
<b>Q.3</b>	(a) Write a short note on Load Balancing.	<b>03</b>
	(b) Explain Hyper Visor.	<b>04</b>
	(c) Describe how Virtualization helps to manage Data Center.	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(a) Explain Virtual Clusters.	<b>03</b>
	(b) Define Porting Applications of virtualization.	<b>04</b>
	(c) Elaborate CPU virtualization with example.	<b>07</b>
<b>Q.4</b>	(a) Explain Billing and Metering Services.	<b>03</b>
	(b) Outline the characteristics of server virtualization and application virtualization.	<b>04</b>
	(c) Explain how to manage Inter Cloud Resource Management.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) Explain Digital Signatures.	<b>03</b>
	(b) List down the Emerging Cloud Management Standards.	<b>04</b>
	(c) Enlist the services that are provided by Azure Cloud.	<b>07</b>
<b>Q.5</b>	(a) What are the basic Issues of Securing the Cloud?	<b>03</b>
	(b) Explain Autonomic Security Storage Area Networks.	<b>04</b>
	(c) Describe the Google AppEngine Architecture and core concepts.	<b>07</b>
<b>OR</b>		
<b>Q.5</b>	(a) List out various Challenges for Cloud Security.	<b>03</b>
	(b) Write a short note on Identity Management and Access Control.	<b>04</b>
	(c) Explain how to perform Disaster Recovery in Clouds?	<b>07</b>

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