

Enrolment No./Seat No_____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION – SUMMER 2025

Subject Code:3170717

Date:16-05-2025

Subject Name:Cloud Computing

Time:02:30 PM TO 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.
4. Simple and non-programmable scientific calculators are allowed.

	MARKS
Q.1 (a) Define Cloud computing and write its characteristics.	03
(b) Discuss functions provided by PaaS.	04
(c) Discuss Cloud Computing Architecture.	07
Q.2 (a) What is Load balancing? Why it is required?	03
(b) Write Challenges and Risks in implementing Cloud.	04
(c) Discuss Cloud Deployment Models.	07
OR	
(c) Compare IaaS, SaaS and Paas.	07
Q.3 (a) Describe Virtual cluster.	03
(b) What is Hypervisor? Discuss Type1 and Type2 hypervisor.	04
(c) Discuss Virtual Machine Migration.	07
OR	
Q.3 (a) Describe Data Security in cloud.	03
(b) Write about Application porting in cloud.	04
(c) Discuss Various types of Virtualizations.	07
Q.4 (a) Define the term: Multi tenant, Scalability, elasticity.	03
(b) Write Cloud security Challenges.	04
(c) Describe cloud resource management. Also discuss inter cloud resource management.	07
OR	
Q.4 (a) What is SLA? Why it is important?	03
(b) Write about emerging cloud management standards.	04
(c) Discuss Disaster Recovery in cloud.	07
Q.5 (a) What is Eucalyptus? Discuss in brief.	03
(b) Write features of cloud simulator.	04
(c) Describe identity management and Access Control.	07
OR	
Q.5 (a) Write about AWS auto scaling.	03
(b) Discuss Digital Signature.	04
(c) Write Services Provided by Azure Cloud.	07
