	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE **Supplementary Semester Examination - Summer 2023** **Course: B. Tech.** **Branch: Computer Engineering** **Semester: VII** **Subject Code & Name: BTCOE703(A) – Cloud Computing** **Max Marks: 60** **Date: 18/07/2023** **Duration: 3 Hrs.**	
	Instructions to the Students: 1. *All the questions are compulsory.* 2. *The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.* 3. *Use of non-programmable scientific calculators is allowed.* 4. *Assume suitable data wherever necessary and mention it clearly.*	
		(Level/CO)	**Marks**
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Q. 1	**Solve Any Two of the following.**		
A)	Explain any three practical examples of Cloud computing systems.	Remember	**6**
B)	Explain the Cloud Computing reference model with a neat diagram.	Remember Understand	**6**
C)	State and explain the characteristics and benefits of Cloud Computing.	Application Understand	**6**
Q.2	**Solve the following.**		
A)	What are the different pros and cons of the virtualization technique? What is meant by paravirtualization?	Remember Understand	**6**
B)	Explain the virtualization technique of Xen architecture and guest OS management.	Remember Understand	**6**
Q. 3	**Solve Any Two of the following.**		
A)	State and explain service models of cloud computing with its architectures.	Remember Understand	**6**
B)	How different tasks are performed by interacting the scheduler with other components? Explain.	Knowledge Understand	**6**
C)	Explain the concept of Community clouds. State the different examples of it.	Knowledge Understand	**6**
Q.4	**Solve Any Two of the following.**		
A)	Explain with the help of platform architecture, how Google AppEngine works.	Understand Application	**6**
B)	Explain the logical organization of an Aneka cloud with an appropriate diagram.	Application Understand	**6**
C)	Explain the hybrid cloud development mode supported by Aneka.	Remember Understand	**6**
.Q. 5	**Solve Any Two of the following.**		
A)	How pricing model of cloud computing works? Explain the different strategies of pricing models.	Analyze Understand	**6**
B)	State and explain the different examples of Cloud-computing offerings, which include various vendors available and their service types.	Application Understand	**6**
C)	Explain the Hardware and software stack of the private cloud.	Knowledge Understand	**6**
	*** End ***		