

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary Semester Examination – Summer 2022

Course: B. Tech.

Branch: Computer Engineering

Semester: VII

Subject Code & Name: BTCOE703(A) – Cloud Computing

Max Marks: 60

Date: 22/08/2022

Duration: 3.45 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
Q. 1 Solve Any Two of the following.		
A) Explain two types of Hypervisor.	Remember Understand	6
B) What is mean by Distributed systems? Explain the three major milestones of Cloud Computing.	Remember Understand	6
C) What are the different practical examples of Cloud computing systems?	Remember	6
Q.2 Solve the following.		
A) Give the taxonomy of the virtualization techniques. Explain Hardware virtualization techniques,	Knowledge Understand	6
B) What is meant by full virtualization? Explain with the reference model.	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) Explain the concept of Community clouds. State the different examples of it.	Knowledge Understand	6
C) What is the pay-as-you-go model? Explain three different pricing strategies.	Remember 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 Aneka framework overview with a neat diagram,	Knowledge Understand	6
C) Explain the hybrid cloud development mode supported by Aneka.	Remember Understand	6
Q. 5 Solve Any Two of the following.		
A) Explain the Hardware and software stack of the private cloud.	Knowledge Understand	6
B) State the different benefits delivered by Software as a service model.	Remember Understand	6
C) State and explain the services available in the AWS ecosystem.	Understand Application	6

***** End *****