SOMAIYA
VIDYAVIHAR UNIVERSITY

Maximum Marks: 30	**Semester: January 2023 – May 2023** **Examination: In-Semester Examination**	**Duration :**
Programme code: ST1642 Programme:	Class: TY	Semester: VI (SVU 2020)
Name of the Constituent College: K. J. Somaiya College of Engineering		Name of the department: Computer Engineering
Course Code: 116U01E629	Name of the Course: Cloud Computing	

Question No.		Max. Marks	CO Mapped	BT Level
Q1 a)	In context to the Service Models of Cloud Computing, Describe the Scenarios where PaaS is ideal. Also list the scenarios where Paas might not be the best option. OR Describe the 3-4-5 Cloud Definition given by NIST(National Institute of Standards and Technology)	5 5	CO1	RE,UN
Q1 b)	In context to Cloud Computing Platforms & Technology, Define Force.com and Hadoop.	5	CO1	UN

Q2	Illustrate Live Migration of a Virtual Machine with suitable diagrams. Further In context to Virtualization at Operating system level, Distinguish between Docker-Container approach and Virtual Machines with suitable diagrams
	OR
	Illustrate the architecture of Microsoft Hyper-V Hypervisor with suitable diagrams. Further Differentiate between the following categories of Hypervisors, with examples for each:-
	  I. Type 1 and Type 2
	  II. Microkernel and Monolithic
		10	CO2	UN

Q3	With respect to Amazon Web Services, Distinguish between Amazon Simple Storage Services and Elastic Block Storage with respect to Storage type, Size, Accessibility, Security, Application. Further list the two Solutions provided by Amazon AWS for Structured Storage.	10	Co3	UN