SOMAIYA
VIDYAVIHAR UNIVERSITY

09·05·2024 (E)

Semester: January 2024 –April 2024		
Section B		
Maximum Marks: 50 **Examination: ESE Examination**		**Duration:2 Hrs.**
Programme code: _____ **Programme: Computer Engineering**	**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**	
Instructions: 1)Draw neat diagrams 2) All questions are compulsory **3) Assume suitable data wherever necessary**		

Que. No.	Question	Max. Marks
Q 4	Solve any **Four**	20
i)	Discuss Amazon Web Services (AWS).	5
ii)	Explain Google Cloud platform (GCP).	5
iii)	Explain Google App Engine (GAE).	5
iv)	Explain the concept of Microsoft Hyper-V.	5
v)	Explain Cloud Reference Model.	5
vi)		5

Que. No.	Question	Max. Marks
Q 5	Write notes on any **four**	20
i)	ERP.	5
ii)	SpotCloud.	5
iii)	DevOps.	5
iv)	ECG using Cloud Computing.	5
v)	Multiplayer Online Gaming.	5
vi)	Protein Structure Prediction.	5

Que. No.	Question	Max. Marks
Q 6	Objective/Multiple Choice Questions	10
1	Which Google Cloud service is designed for real-time messaging and event ingestion? a) Google Cloud Pub/Sub b) Google Cloud Storage c) Google Cloud Datastore d) Google Cloud SQL	
2	What is Cloud Dataflow used for in Google Cloud Platform? a) Real-time data analysis and processing b) Virtual machine management c) Container orchestration d) File storage	
3	What is a hypervisor? a) A software that manages virtual machines and their resources b) A physical server c) A type of virtual machine	

		d) A network protocol	
4		What is virtualization? a) A technology that creates multiple virtual instances of physical hardware b) A technique used to simulate physical environments in software c) The process of converting physical servers into virtual machines d) All of the above	
5		Which of the following is a benefit of server virtualization? a) Increased hardware costs b) Decreased server utilization c) Improved resource utilization d) Limited scalability	
6		What is live migration in virtualization? a) Moving a virtual machine from one physical server to another without disrupting service b) Shutting down a virtual machine for maintenance c) Creating a new virtual machine from a template d) Allocating additional resources to a virtual machine	
7		What is Amazon S3? a) A relational database service b) A serverless computing platform c) An object storage service d) A content delivery network	
8		What is Amazon EC2? a) An object storage service b) A serverless computing service c) A virtual machine service d) A content delivery network	
9		What is Amazon RDS? a) A NoSQL database service b) A data warehousing service c) A managed relational database service d) A serverless computing service	
10		Which virtualization technology allows multiple virtual servers to share physical hardware resources while maintaining isolation? a) Network virtualization b) Storage virtualization c) Server virtualization d) Desktop virtualization	