

Department of Information Technology
Mid Term Test – 1, July-Dec 2024
M. C. A. Second Year, III Semester

Cloud Computing CT 20305

Time 1 hr

Max Marks 20

NOTE: ALL questions are compulsory

			Marks	CO	BL	PI
Q1	A	Write the full form of the following acronyms: (i) EC2 and (ii) S3.	1	1	1	1.4.1
	B	Explain what is meant by the following terms: (i) private, (ii) public (iii) hybrid and (iv) community cloud.	2	1	1	1.4.1
	C	State true/false stating reasons for the following statements: (i) One Core switch connects all ToR switches. (ii) Google Compute Engine is also known as App Engine. (iii) Utility computing has similarity to Plug and Play. (iv) Moore's law indicates that network bandwidth doubles every 18 months.	4	1	2	1.4.1
Q2	A	Which of the following is an example of web-based email service? (i) SaaS, (ii) PaaS, (iii) IaaS, (iv) None of these	1	2	1	1.4.1
	B	State one advantage, and one disadvantage of each of the following: (i) SaaS, (ii) IaaS, (iii) PaaS	3	2	2	1.4.1
	C	State true/false stating reasons for the following statements: (i) MapReduce is a cloud computing paradigm from Google. (ii) In distributed systems hardware or software components located at networked computers communicate and coordinate their actions only by passing messages. (iii) The name 'Grid' is used to refer to middleware that is designed to enable the sharing of resources such as files, computers, software, data and sensors on a very large scale.	3	2	2	1.4.1
Q3	A	Explain what is meant by virtualization with a suitable diagram.	2	3	1	1.4.1
	B	Differentiate between Type-1 and Type-2 hypervisors.	2	3	2	1.4.1
	C	State and explain any two benefits of virtualization.	2	3	2	1.4.1
