PRN:		Course Code :	MCA 206.1

Second Year **M.C.A.** End Semester Examination Summer 2023

Program Elective - III (Cloud Computing)

Day and Date: Tuesday , 20/06/2023 Max Marks: **100**

Time : 2:00 to 5:00 pm Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Outline essential characteristics of Cloud computing.	08	L2	CO1
	b)	Explain Cloud Service Model with diagrams.	08	L3	CO1
		OR			
	b)	Build a note on Network virtualization and Service virtualization.	08	L3	CO1
Q.2		**Attempt the following**			
	a)	Construct the Security Risks of Cloud Computing?	08	L2	CO2
	b)	Illustrate Attacks on Operating systems.	08	L3	CO2
		OR			
	b)	Illustrate features with respect to AWS.	08	L3	CO3
Q.3		**Attempt any two from the following**			
	a)	Summarize the AWS? What types of services does it provide?	08	L1	CO2
	b)	Explain Amazon EC2 and its basic features.	08	L2	CO3
	c)	Identify the Virtualization technologies and architectures.	08	L2	CO3
Q.4		**Attempt any two from the following**			
	a)	Sketch architecture of Windows Azure.	08	L1	CO3
	b)	Explain Network Load Balancer and Application Load Balancer. with an example.	08	L4	CO3
	c)	Describe Security Groups, Availability Zones and Region in detail.	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain Load Balancer and its types with example.	09	L3	CO4
	b)	Differentiate between Amazon Web Services, Azure and GCP.	09	L4	CO4
	c)	Explain S3 bucket and use of bucket policy in AWS.	09	L2	CO2
Q.6		**Attempt any Two of the following**			
	a)	Discuss Scaling and its types with diagrams, Auto-Scaling and Threshold.	09	L2	CO2
	b)	Write a short note on Static & Dynamic Load Balancer with diagram.	09	L3	CO3
	c)	Explain Virtual Private Cloud with its architecture.	09	L2	CO4

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