



Third Semester MCA Degree Examination, June/July 2025

Cloud Computing

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.
M: Marks, L: Bloom's level, C: Course outcomes.

Module – 1			M	L	C
Q.1	a.	Describe the main characteristics and benefits of cloud computing.	10	L2	CO1
	b.	Explain the cloud computing reference model with a neat diagram.	10	L2	CO1
OR					
Q.2	a.	Briefly discuss the challenges ahead in cloud computing.	10	L2	CO1
	b.	Briefly discuss Service Oriented Computing.	10	L2	CO1
Module – 2					
Q.3	a.	Compare SISD systems with MISD systems.	10	L2	CO3
	b.	Explain the different approaches to parallel programming.	10	L2	CO3
OR					
Q.4	a.	Define Distributed Systems. Identify and explain the different components of distributed systems.	10	L2	CO3
	b.	Discuss RPC and apply steps involved in inter process communication.	10	L2	CO3
Module – 3					
Q.5	a.	Define Virtualization. List and explain how virtualization has gained interest in recent years.	10	L2	CO3
	b.	List and explain the advantages and disadvantages of virtualization in the context of cloud computing.	10	L2	CO3
OR					
Q.6	a.	List and discuss different types of hardware virtualization techniques.	10	L2	CO3
	b.	Discuss the reference model of full virtualization with a diagram.	10	L2	CO3
Module – 4					
Q.7	a.	Explain the cloud computing architecture with a block diagram.	10	L2	CO3
	b.	Explain the role of Scheduler Infrastructure as a service layer.	10	L2	CO3
OR					
Q.8	a.	List and explain the candidate sectors for community clouds.	10	L2	CO4
	b.	Explain Hybrid Cloud. List the limitations of Public and Private Cloud.	10	L2	CO4

Module – 5					
Q.9	a.	Discuss the compute services offered by APPEngine.	10	L2	CO4
	b.	Describe Amazon EC2 and its basic features.	10	L2	CO4
OR					
Q.10	a.	Discuss the storage services provided by Windows Azure.	10	L2	CO4
	b.	Describe how cloud computing technology can be applied to support remote ECG monitoring.	10	L2	CO4
