

(2 Hours)

Total Marks: 50

Note:		Marks	Course Outcome	Bloom's Level
			CO	BL
Q1	Attempt all Compulsory			
	a. What is Remote Method Invocation (RMI)?	[05]	CO1	BL2
	b. Define logical clocks and physical clocks in the context of distributed systems.	[05]	CO2	BL6
	c. What are the advantages and disadvantages of message passing over shared memory?	[05]	CO3	BL3
	d. How Security is handled in Cloud Computing?	[05]	CO6	BL6
Q2	a. What is Stub in RPC? Explain different Stubs creation techniques	[08]	CO1	BL1, BL2
	b. Explain different services of AWS.	[07]	CO6	BL3
Q3	a. Why is load balancing important in distributed systems? Explain different Load Balancing policies.	[08]	CO4	BL1, BL3
	b. Explain the different types of DSM with examples.	[07]	CO3	BL2, BL6
Q4	a. What is process migration? What are the benefits and challenges of process migration in distributed systems?	[08]	CO4	BL2
	b. Explain different Cloud based model.	[07]	CO5	BL2
Q5	a. What is Identity Access Management? Explain implementation steps of IAM	[08]	CO6	BL6
	b. What are the major challenges in designing distributed systems?	[07]	CO1	BL2
