Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Subje	ect C	MESTER- I (New course) • REMEDIAL EXAMINATION – SUMME Code: 3715102 Date:13/ me: Advanced Operating System And Management	
Time Instruc	ctions		rks: 70
	<b>2.</b> I	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain Distributed Operating System in Terms of Design Issues. Explain in detail about the architecture of distributed operating system	07 07
Q.2	(a) (b)	Explain in detail about two phase and commit protocols Explain Ricart-Agrawala Algorithm for Mutual Exclusion in Detail OR	07 07
	<b>(b)</b>	Explain Lamports algorithm for Mutual Exclusion in Detail	07
Q.3	(a) (b)	Explain Distributed Deadlock with its Models. Explain in detail about distributed shared memory OR	07 07
Q.3	(a) (b)	Explain Byzantine Agreement Problem Explain in detail about design issues in distributed resource management	07 07
Q.4	(a) (b)	Briefly explain about security and protection in distributed resource management Explain Supporting Address Translation with Its Types.	07 07
Q.4	(a) (b)	OR Explain any 4 ways of Performance Tuning of Operating System Explain Different Security Mechanism used in UNIX for providing a Security?	07 07
Q.5	(a) (b)	What are the design principles of Security? What do You Mean by Load Distribution in DOS? What are the requirements for Load Distributing?  OR	07 07
Q.5	(a) (b)	Briefly explain about models of resource. What are the different strategies of Distributed Deadlock handling?	07 07

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