Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (NEW).EXAMINATION - WINTER 2016

Date: 26/10/2016

Subject Code: 2160710

1	Sime	ect Name: Distributed operating system : 02:30 PM to 05:00 PM ctions: 1. Attempt all questions.	
		 Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a) (b)	Explain Design Issues of Distributed Operating System.1. Discuss about Blocking versus Nonblocking Primitives.2. Discuss about Reliable versus Unreliable Primitives.	07 03 04
Q.2	(a)	Demonstrate the features of "Google" that covers the Distributed Operating System.	07
	(b)	Discuss the desirable features of a good message-passing system. OR	07
	(b)	Explain the Goals of Security.	07
Q.3	(a)	What is Consistency Models? Name all Consistency Model. Explain Entry Consistency Model and Release Consistency Model.	07
	(b)	What are Trends in Distributed File System? Explain. OR	07
Q.3	(a) (b)	Explain Design Issues of Distributed Shared Memory. What is the difference between a file service using the upload/download model and one using the remote access model?	07 07
Q.4	(a) (b)	Explain registry based algorithm for finding and using idle workstations. Name and Explain the Various strategies are used to handle deadlocks in Distributed Systems. OR	07 07
Q.4	(a)	What is Real Time Distributed System? Explain the types of Real Time Distributed System.	07
	(b)	Explain Mutual Exclusion using Distributed Algorithm in Distributed Operating System.	07
Q.5	(a)	What is Remote Procedure Call? Write the steps for Execute the Remote Procedure Call.	07
	(b)	Explain the replication for web hosting system with example. OR	07
Q.5	(a)	What is DNS? Name the type of organization of the Given DNS domain name com, edu, org, net, gov, mil, arpa, "xx".	07
	(b)	Explain Java RMI. What are the components and processes of Java RMI execution?	07
