Faculty of Engineering & Technology
Term Test Question Paper – B. Tech.

Department: Computer Science and Engineering

Programme: B.Tech. in CSE

Semester/Batch: 6th/ 2018

Date of Test: 8th June 2021

Course Code: 19CSC313A

Course Title: Distributed and Cloud Computing

Term Test – 2

INSTRUCTIONS TO STUDENTS:
1. Answer all the questions
2. Use of non-programmable scientific calculator is permitted
3. Missing data may be appropriately assumed with justification clearly stated.
4. **Upload the scanned answer sheets in pdf format within the stipulated time on RUAS Portal.**
5. **If any issues uploading to RUAS portal , then only mail to Jishmi.cs.et@msruas.ac.in for Section A, chaitra.cs.et@msruas.ac.in for Section C, prakashp.cs.et@msruas.ac.in for Section B**

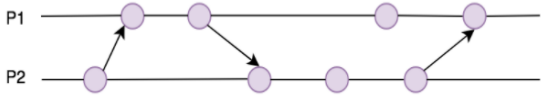**Maximum Duration: 75 Minutes for write-up**   **Maximum Marks: 25**

IMPORTANT:
You may take this question paper at the end of the examination for future reference

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Q. No.	Question	Marks
1	a. Define indirect communication in distributed systems.	2
	b. Differentiate between space and time coupling in indirect communication	3
2	a. Define consistent and inconsistent cuts of global states.	2
	b. Determine vector timestamp ordering for the events shown in Figure1 Figure1	3
3	a. Illustrate the rules to enter Critical Section (CS) in Ricart and Agarwala's algorithm.	2
	b. Differentiate between ring based and bully election algorithms.	3
4	a. Explain different orderings of multicast messages.	3
	b. Illustrate any one of the problems of concurrent transactions in the context of banking application.	2
5	a. Explain cascading aborts in transactions.	2
	b. Discuss the non-conflicting and conflicting pairs in transactions.	3

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