



**BHARATIYA VIDYA BHAVAN'S**

# **SARDAR PATEL INSTITUTE OF TECHNOLOGY**

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058, India

(Autonomous College Affiliated to University of Mumbai)

## **End Semester Examination**

Max. Marks: 60

Class: TYMCA

Course Code: MCA51

Subject: Distributed Computing and Cloud Computing

Duration: 3 hr

Semester: V

Date: 13/11/18

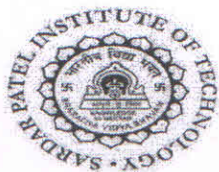
Time: 10.00 to 1.00 pm

Instructions: (1) All questions are compulsory.

(2) Use of scientific calculator is allowed.

(3) Assume any necessary data but justify the same.

Q. No.	Questions	Max. Marks	CO
Q.1 A	How would you demonstrate the implementation of Client server communication using remote procedure call?	6	2
B	How would you use Remote procedure call to establish Client server binding?	6	2
Q.2 A	What approach would you use to implement use of shared resources in distributed systems?	6	3
B	What examples can you find to present different DSM consistency models	6	3
Q.3 A	How would you categorize different Address space mechanism for Process migration?	6	4
	OR		
	What are some of the issues in designing load balancing algorithm?	6	4
B	What are the key decisions to be made in File caching schemes for Cache Location for distributed systems?	6	4
Q.4A	How would you differentiate between Cloud and grid computing?	6	5
	OR		
	Elaborate on cloud computing characteristics	6	5
B	Can you distinguish between Deployment model	6	6
	OR		
	Can you distinguish between Delivery model	6	6



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Q.5A	How would you compare workstation server and Processor pool Model	6	1
B	What can you say about the issues in Distributed system?	6	1