



PILLAI COLLEGE OF ENGINEERING, NEW PANVEL
(Autonomous) (Accredited 'A+' by NAAC)
END SEMESTER EXAMINATION
May 2023

BRANCH: Computer Engineering

SEM VIII

Subject: - Distributed Computing

Time: 03.00 Hours

Max. Marks: 80

Date:02/05/2023

N.B 1. Q.1 is compulsory

Subject Code: CSC801

2. Attempt any three from the remaining four questions.

3. Each Question carry 20 marks.

4. Draw diagram wherever necessary.

Q.1.	Attempt All	Marks
a)	Compare between DOS, NOS and Middleware.	5
b)	Compare Static and dynamic load balancing algorithms.	5
c)	Explain Absolute ordering and causal ordering with diagrams.	5
d)	Explain in detail different features of DFS.	5
Q.2.	Attempt All	
a)	Explain in detail Raymond's Tree-Based algorithm (Token-based algorithm).	10
b)	Explain in detail different data centric consistency models.	10
Q.3.	Attempt All	
a)	Explain steps involved in the RMI execution process in detail with appropriate diagram.	10
b)	Explain different types of distributed systems with diagrams.	10
Q.4.	Attempt All	
a)	Write a note on the Network File System (NFS) .	10
b)	What is Remote Procedure Call? Explain the working of RPC in detail.	10
Q.5	Attempt All	
a)	Explain different mechanisms of process migration.	10
b)	Write note on Chandy-Misra Hass Algorithm.	10