Terna Engineering College

Department of Computer Engineering

Internal Assessment Test (IAT-1)

Subject: DC   Sem: VIII (A,B,C)

Max. Marks:20 Duration: 1Hr   Date:- Time: 0?/03/2022 at 3:30-4:30

Note: Attempt all questions.
6. Draw neat diagrams wherever necessary.
7. All sub-questions of the same question should be answered at one place only in their serial order, and not scattered.
8. Assume suitable data if required.
9. *Copying solutions is academic dishonesty.*
10. The quality of your writing will be taken into account in the grade. The reader must understand what you wrote! Justify your answers.

Q. no.	Questions	Marks
Q1	**Each question of two marks (solve any three)**	6
1(a)	Network operating system runs on 1. server 2. every system in the network 3. both (a) and (b) 4. memory	1
1(b)	------ and ------ are the issues of distributed system . 1. availability, openness 2. Lack of failure handling, security 3. Reliability, availability 4. Scalability, availability	1
1(c)	----- is used to hide the access of the system 1. Location transparency 2. Migration transparency 3. Network transparency 4. Access transparency	1
1(d)	In distributed system each processor has its own 1. local memory 2. clock 3. both (a) and (b) 4. shared memory	1
1(e)	----- is used to send and receive communication messages between multiple clients and servers. 1. MOM 2. Message communication system 3. RPC 4. RMI	1

If In _ _ _ _ distributed system client and server should be actively participated in

	communication process _ 1. Pervasive 2. Asynchronous 3. Synchronous 4. Middleware	
Q2	**Solve any one**	**7**
2˘	Discuss Remote Procedure Call in Distributed Computing. OR Discuss group communication in detail.	7 7
Q3	**Solve any one**	**7**
3	Interpret Lamport's algorithm with suitable example. OR What is requirement of Election based algorithm? Demonstrate bully's algorithm in brief.	7 7