Syllabus for 2nd Internal Exam of 3rd Semester, M.Sc.(CS/IT) for the subject Distributed System (CSC3026/INF3026)

Unit-V: Mutual Exclusion in DS, Requirements of ME, Performance Metrics of ME, Types of ME algorithms, Centrel Server Algorithm, Lamport Timestamp ME algorithm, proof of correctness of Lamport algoritm, Ricart-Agrwal ME algorithm, Complexity of the algorithms, Meakawa Voting Algorithm, Suzuki-Kasami Broadcast Token based Algorithm

Unit-VI: Agreement Protocols in Distributed System: System Model, Aspects of Recognizing the Agreement Protocols, Classification of Agreement Problems (Byzantine agreement problem, Consensus problem, Interactive consistency problem), Relations among the Agreement Problems, Solutions to the Byzantine Agreement Problem, Lamport-Shostak-Pease Algorithm

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