



National University

of Computer & Emerging Sciences Peshawar Campus



Name: _____

Roll No: _____

Program: BS (CS)

Semester: Spring – 2021

Time Allowed: 1: 20 (hour: min)

Course: Parallel & Distributed Computing

Examination: Mid-Online

Total Marks: 60 Weightage: 30

Date:

Instructor: Muhammad Amin

NOTE: Attempt all questions. *All questions carry equal marks*

Q3. Lamport clocks capture the “happens-before relationship” between two events. If $L(e_1) < L(e_2)$, then we can say that e_1 happened before e_2 . Can you use Lamport clocks to say whether e_2 happened as a result of e_1 ? Answer yes or no, and then give a brief (2 sentence) example that explains your answer.