National University



of Computer & Emerging Sciences Peshawar Campus

Student Name: Sow TION

Program: BCS

Semester: Fall-2022

Time Allowed: 20 Minutes

Course: COAL

Roll No:

Total Marks: 6

Weightage: 5

Date: 5th December, 2022

Quiz 04

Suppose process A, having 7 instructions (instruction 0 to 6) as follows: s

	FI	DI	СО	FO	EI	WO
Process A	1 sec	2 sec	2 sec	1 sec	4 sec	2 sec

1. Calculate total sequential processing time.

(Marks: 2)

2. Calculate total parallel processing time, when there is a jump from instruction 1 to instruction 3.

(Marks: 2)

pipeline

3. Calculate total parallel processing time, when there is a jump from instruction 1 to instruction 3 and jump from instruction 3 to instruction 6. (Marks: 2)

1+2+2+2+4+4+2+4+2+1+4+2