


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Computer Architecture	Course Code:	EE204
	Program:	BS(Computer Science)	Semester:	FALL 2020
	Sections	A & B	Marks	30
	Due Date:	17-11-2020	Weight	~ (2 + 2)
	Exam Type:	Assignment 4	Page(s):	3

Student : Name: _____ **Roll No.** _____
Section: _____

Select any two competitor processors available in the market these days and provide detail of their specifications including

- o Number of cores
- o Number of processor threads
- o Hardware architecture (ALU, FPU, caches etc.)
- o Presence of hyper threading and its advantage
- o Performance comparison (speed, cct, caches and their sizes)
- o Number of Pipeline stages
- o Branch prediction techniques being used
- o GPU detail (cores, speed etc.)

A detailed analysis should be provided along with your overall judgment telling which processor is better and why.

Note: Solution of each part will be submitted in a separate file. Name of each file should be your student Id + part number