Task 3

-(5p) Identifying the components on the raspberry PI B+

USB Ports, Ethernet Port, Ethernet Controller, Audio Output Port, HDMI Output Port, Camera Port, Display Port, DSI Display Output, and the CPU/RAM

-(5p) How many cores does the Raspberry Pi’s B+ CPU have

-(8p) List three main differences between X86 (CISC) and ARM Raspberry PI (RISC). Justify you answer and use your own words (do not copy and paste)

-(6p) What is the difference between sequential and parallel computation and identify the practical significance of each?

-(5p) Identify the basic form of data and task parallelism in computational problems.

-(6p) Explain the differences between processes and threads.

-(3p) What is OpenMP and what is OpenMP pragmas?

-(4p) What applications benefit from multi-core(list four)?

-(4p) Why Multicore? (why not single core, list four)