

Assignment No. 2

I/O Organization and DMA Controller

Course No. CSE211

Course Title: Computer Organization and Architecture

Q1. Enlist major differences that exist between central computer and the peripheral devices. What role does an interface play in resolving these differences? (5)

Q2. Explain the modes of transfer on input-output organization. (5)

Q3. Explain addressing modes in detail with example of each. (10)

Q4. Design the architecture of DMA mode of operation and illustrate how various components namely, CPU, RAM, DMA Controller and I/O Peripheral interface each other. (10)