UNIT 4

1. What is CPU (Central Processing Unit) Explain its Components?
2. What is Control Unit, and its Type Details Explain?
3. Micro programmed Control Unit,
4. Hardwired Control Unit
5. General register Organization
6. Stack Organization, Instruction types, formats, instruction cycles and sub cycles (Fetch, decode, execute etc.),
7. What is Addressing Modes and its type?
8. Deference between them Reduced Instruction set computer, Complex

Instruction set Computer

UNIT 5

1. I/O interface, I/O ports, Interrupts, Modes of data Transfer: Programmed I/O, Interrupt Initiated I/O,
2. What is Direct memory access (DMA),
3. I/O channels and processors
4. Serial Communication, Standard communication interfaces.
5. Case Study: Multi core processing
6. Multithreading architecture