



DEPARTMENT OF AIDS

U23AIT33 – COMPUTER ORGANIZATION AND ARCHITECTURE

PART – B IMPORTANT QUESTIONS

UNIT 1

1. Explain the Eight ideas and various components of computer system.
2. Narrate the technology and performance in COA.
3. Explain uniprocessors to multiprocessors in detail.
4. Discuss the operations and operands in detail.
5. Explain briefly about the addressing and addressing modes in detail.

UNIT 2

1. Describe the addition and subtraction arithmetic operations with an example.
2. Describe the Multiplication arithmetic operations with an example.
3. Describe the Division arithmetic operations with an example.
4. Briefly discuss about the Floating-point operations.
5. Discuss in detail about the sub word parallelism.

UNIT 3

1. Explain the building data path and control implementation scheme.
2. Narrate the technology and performance in pipelining.
3. Explain pipelined data path and control.
4. Discuss the handling data hazards and control hazards.

UNIT 4

1. Describe the parallel processing challenges.
2. Describe the Flynn's classification.
3. Describe the hardware multithreading in detail.
4. Briefly discuss about the Multicore processor.

UNIT 5

1. Discuss in detail about the Memory hierarchy and Memory technologies.
2. Describe in detail about virtual memory.
3. Write briefly about TLBs.
4. Write in detail about DMA and Interrupts.