

instruction or a data fetch is generated by the the data and address hus in order to fetch the data from the desired address. The BIU connects the peripheral devices through the memory unit. 2. Code Prefetch Unit This unit fetches the instructions stored in the memory by making use of system buses. Whenever The system generates a need for an instruction then the code prefetch that instruction from the memory and stores It in 16 byte prefetch queus 3 Instruction Decode Unit This unit decades the instructions stored in the projetch queue. Basically the decoder changes the machine language odde into assembly language and transfers it to the processor for further execution 4. Execution Unit It controls the execution of the decoded instruction. This unit has a 32-bit ALU, that performs the operation over 32 bit data in one will. Also, lit consists of 8 general purpose as well as 8 special purpose neagisters). These are used for data handling & calculation of offset Jaddres

5. Memory Management Unit 1. Segmentation unit 7. Paging Unit or segmentation unit If allows the use of two address components with segment and offset for relocability and sharing of cade and datal. It alsows segments of size 4 GB at more of Program unit It works/organizes the physical memory in Terms of pages of 4 th tize each. I segmentation unit. The virtual memory is also organized in terms of segments and pages by the memory management unit addresses 2 Explain segmentation of 80386? The memory management unit (MMV) consults of segmentation unit and baging unit. In which, address components such as segment and offset for relocability sharing of code and data. It allows segments of size 49B at maximum.