Code No: MC1612/R16

Time: 3 Hours

MCA I Semester Supplementary Examinations, February-2020 COMPUTER ORGANIZATION

Answer Any FIVE Questions	
All Questions Carry Equal Marks	
Explain about functions of CPU?	6M
Explain about program control instructions?	6M
What is subroutine? Explain about subroutine stack frame with an example.	6M
Explain various instruction formats.	6M
Define addressing mode and explain different addressing modes presented in 8086 microprocessor.	6M
Define addressing mode and explain different addressing modes presented in 8085 microprocessor.	6M
Draw and discuss interrupt structure of 8086 microprocessor.	6M
Explain 8086 address decoding for memory banks.	6M
What is Hardwired Control? Explain it in detail.	6M
Explain about Micro program Sequencing.	6M
Explain the addressing modes with instruction cycle in detail.	6M
Explain Direct addressing mode.	6M
In detail, explain about DMA controller with neat diagram.	6M
Explain the following 8085 instructions: SIM, RIM, RST 7, RAR	6M
Describe the basic configuration of flash memory.	6M
Implement a 2-bit multiplier using ROM *****	6M
	 Explain about functions of CPU? Explain about program control instructions? What is subroutine? Explain about subroutine stack frame with an example. Explain various instruction formats. Define addressing mode and explain different addressing modes presented in 8086 microprocessor. Define addressing mode and explain different addressing modes presented in 8085 microprocessor. Draw and discuss interrupt structure of 8086 microprocessor. Explain 8086 address decoding for memory banks. What is Hardwired Control? Explain it in detail. Explain about Micro program Sequencing. Explain Direct addressing modes. In detail, explain about DMA controller with neat diagram. Explain the following 8085 instructions: SIM, RIM, RST 7, RAR Describe the basic configuration of flash memory. Implement a 2-bit multiplier using ROM

Max. Marks: 60