

Maria College of Engineering and Technology, Attoor

Dept.of M.Sc (Computer Technology)
XCS 234 Microprocessors (Five mark Questions)

Unit 1

1. Explain in detail the 8085 Microprocessor Unit in detail?
2. Explain the architecture of 8085 microprocessor?
3. Give an example of an 8085 based microcomputer?
4. Explain in detail Memory Interfacing?
5. Give a comparison on microcomputer, minicomputer and large computer?

Unit 2

1. Explain the 8085 programming model?
2. Explain Instruction Classification in 8085?
3. Explain the Instruction Set of 8085?
4. Explain in detail the Assembly Language Programming with an example?

Unit 3

1. Explain in detail about IN and OUT instruction?
2. Explain in detail about 8237 DMA Controller?
3. Explain about DMA Data Transfer in detail?
4. Explain about 8259A Interrupt Controller?
5. Explain about the 8085 vectored interrupts?
6. Explain about Device Selection and Data Transfer?
7. Explain about Seven-segment display as an output device?

Unit 4

1. Explain about 8255A Programmable Peripheral Interface in detail?
2. Explain about 8279 Keyboard and Display Controller in detail?
3. Explain about 8251 USART in detail?
4. Explain about 8253 Timer in detail?
5. Explain in detail Serial Input /Output and Data Communication?

Unit 5

1. Explain about Traffic Light Controller in detail
2. Explain Analog to Digital Converter in detail
3. Explain Digital to Analog Converter in detail
4. Explain the Interfacing Keyboard and Server, Segment displays?
5. Explain Bidirectional Data Transfer between two microcomputers?
6. Give an introduction about higher level processor and microcontrollers?