

2020

Full Marks-70

Time- as per programme

Answer all questions

The figure in the right hand side indicate marks

1. Discuss about the 8085 Microprocessor Pinout and signals with neat diagrams. 14

OR

What are different addressing modes used in 8085 Microprocessor. Explain each mode briefly. 14

2. Explain different phases of a fetch cycle with the help of timing diagram in 8085 MP. 14

OR

What do you understand by Input/output ports? Give their use. Also, give a brief description of the programmable I/O port device 8255. 14

3. Discuss about internal hardware architecture of 8051 microcontrollers and its pin diagram in detail. 14

OR

Develop a program using 8085 to find the sum of two multi-byte hexa-decimal numbers 4EF9782AH and FA9678A0H. 14

4. Discuss about the various features of 8086 along with various versions of 8086. How is it different from 8088, 80186, 80286 and 80386? Discuss about the various addressing modes of 8086 microprocessors in detail with one example from each. 14

OR

Draw and explain the working of 8257 programmable DMA controller in detail. 14

5. Discuss about the 80386 microprocessor system block diagram and various aspects of its programming model. 14

OR

Discuss about the various features of Pentium and Pentium Pro processor in detail. 14
