

UNIT - II

- 2 (a) Explain the following instructions of the 8085 microprocessor.
- (i) LHLD
 - (ii) DAD
 - (iii) PCHL
 - (iv) DAA
- 2×4=8
- (b) Draw the timing diagram of STA and explain it. 8

OR

- 2 (a) Explain various addressing modes of 8085 using suitable examples. 8
- (b) Write a program to transfer one block of data into another block in same order. 8

UNIT - III

- 3 (a) Explain 8259 chip with the help of block diagram. 8
- (b) Define working of A/D converter with the help of diagram. 8

OR

- 3 (a) Explain programmable peripheral interface (8255) chip with the help of pin diagram. 8
- (b) Draw a block diagram of 8253 and explain it. 8

UNIT - IV

- 4 (a) Draw the block diagram of 8086 microprocessor and explain the following :
- (i) Pipelining concept
 - (ii) Segmented memory concept
 - (iii) Extended register concept
- (b) Explain various addressing modes of 8086. 8

8

OR

- 4 (a) Draw the pin diagram of 8086.
- (i) M/IO
 - (ii) QS1 and QSO
 - (iii) READY
 - (iv) Address/Status Bus
- (b) Differentiate between 8085 and 8086. 2×4=8

8

UNIT - V

- 5 (a) Define PAL and PLA using suitable diagram. 8
- (b) Write short notes on :
- (i) SDRAM
 - (ii) RDRAM

4×2=8

OR

- 5 Write short notes on :
- (i) Primary and secondary memory
 - (ii) Static and Dynamic memory
 - (iii) Virtual and Physical memory
 - (iv) Flash and cache memory

4×4=16