

MODULE IV

17. Interface a 16 keys keyboard and four 7 segment LED's to 8085 using 8279. Write a program to read the keyboard and store the key read in the location KEYBUF. (12 marks)

Or

18. (a) Write a program to generate 1MHz square wave using 8255? (7 marks)
(b) Describe the important features and applications of 8275. (5 marks)

MODULE V

19. Explain various addressing modes of 8086 with appropriate examples. (12 marks)

Or

20. (a) Explain the register organisation of 8086? (6 marks)
(b) Explain the memory segmentation of 8086? What are its merits and demerits? (6 marks)

[5 × 12 = 60 marks]