

LIST OF EXPERIMENT MPMC LAB

1. (a) Addition of 2 - 8 bit numbers
(b) Addition of 2 - decimal numbers
(c) Addition of 8 bit number (neglecting the carry)
2. Addition and Subtraction of 2 – 16 bit numbers
3. (a) Multiplication of two 8bit numbers (bit rotation)
(b) Multiply two 8-bit numbers by repetitive addition
4. (a) Division of 2 – 8 bit numbers
(b) Factorial of 8 bit number
5. (a) To generate square wave at a port pin of 8255
(b). To interface A/D converter with 8085 and convert DC voltages 0-5 volt D.C. to equivalent hexadecimal.
6. To run stepper motor at variable speed in both directions, only one direction at a time
7. (a) 1's complement of an 8 bit number
(b) 2's complement of an 8 bit number
8. (a) Generation of square wave using 8253 on 8085 Kit
(b) Generation of triangular wave using 8255 and D/A converter
(c) Generation of sawtooth wave using 8255 and D/A converter
9. (a) Generation of beep sound on a buzzer using 8051 Kit
(b) Display name on the LCD display using 8051 Kit
10. (a) Addition of 2 - 8 bit numbers using microcontroller 8051
(b) Subtraction of 2 - 8 bit numbers using microcontroller 8051
(c) Multiplication of 2 - 8 bit numbers using microcontroller 8051
(d) Division of 2 - 8 bit numbers using microcontroller 8051

