

34056- MICROCONTROLLER PRACTICAL

DETAILED SYLLABUS

Part- A

1. Write an Assembly Language Program for Multi-byte Addition and execute the same in the 8051 Kit.
2. Write an Assembly Language Program for Multiplication and Division of two numbers and execute the same in the 8051 Kit.
3. Write an Assembly Language Program for Arranging the given data in Ascending order and execute the same in the 8051 Kit.
4. Write an Assembly Language Program for ASCII to Binary and execute the same in the 8051 Kit.
5. Write an Assembly Language Program for Parity bit generation and execute the same in the 8051 Kit.
6. Write an Assembly Language Program for using timer / Counter and execute the same in the 8051 Kit.

Part – B

INTERFACING WITH APPLICATION BOARDS

1. Write an Assembly Language Program for interfacing Digital I/O board and test it.
2. Write an Assembly Language Program for interfacing Matrix keyboard and test it.
3. Write an Assembly Language Program for interfacing seven segment LED displays and test it.
4. Write an Assembly Language Program for interfacing Traffic light control and test it.
5. Write an Assembly Language Program for interfacing 8 bit ADC and test it.
6. Write an Assembly Language Program for interfacing 8 bit DAC and test it.
7. Write an Assembly Language Program for interfacing STEPPER MOTOR and test it.
8. Write an Assembly Language Program for interfacing DC motor and test it.
9. Write an Assembly Language Program for Sending data through serial port between controller kits and test it.