**LAB SCHEDULE**

**Name of the dept. : ECE class : III – II, ECE-A**

**Lab name : MPMC LAB year : 2015-16**

**LIST OF EXPERIMENTS**

1. Introduction to MASM/TASM.

2. Arithmetic operation – Multi byte Addition and Subtraction, Multiplication and Division – Signed and unsigned Arithmetic operation, ASCII – arithmetic operation.

3. Logic operations – Shift and rotate – Converting packed BCD to unpacked BCD, BCD to ASCII conversion. 4. By using string operation and Instruction prefix: Move Block, Reverse string, Sorting, Inserting, Deleting, Length of the string, String comparison.

5. DOS/BIOS programming: Reading keyboard (Buffered with and without echo) – Display characters, Strings.

6. 8279 – Keyboard display: Write a small program to display a string of characters.

7. 8255 – PPI: Write ALP to generate sinusoidal wave using PPI.

8. 8259 – Interrupt controller: Generate an interrupt using 8259 timer.

9. MC addition

10. MC subtraction

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| Sl.No | Date & Session | Ex.1 | Ex.2 | | Ex.3 | Ex.4 | Ex.5 | Ex.6 | Ex.7 | Ex.8 | Ex.9 | Ex.10 |
| 1 | 20.01.16 | B1,B6 | B2,B7 | | B3,B8 | B4,B9 | B5,B10 |  |  |  |  |  |
| 2 | 27.01.16 | B11,B16 | B12,B17 | | B13,B18 | B14,B19 | B15,B20 |  |  |  |  |  |
| 3 | 10.02.16 | B2,B7 | B3,B8 | | B4,B9 | B5,B10 | B1,B6 |  |  |  |  |  |
| 4 | 24.02.16 | B12,B17 | B13,B18 | | B14,B19 | B15,B20 | B11,B16 |  |  |  |  |  |
| 5 | 02.03.16 | B3,B8 | B4,B9 | | B5,B10 | B1,B6 | B2,B7 |  |  |  |  |  |
| 6 | 09.03.16 | B13,B18 | B14,B19 | | B15,B20 | B11,B16 | B12,B17 |  |  |  |  |  |
| 7 | 16.03.16 | B4,B9 | B5,B10 | | B1,B6 | B2,B7 | B3,B8 |  |  |  |  |  |
| 8 | 06.04.16 | B14,B19 | B15,B20 | | B11,B16 | B12,B17 | B13,B18 |  |  |  |  |  |
| 9 | 13.04.16 | B5,B10 | B1,B6 | | B2,B7 | B3,B8 | B4,B9 |  |  |  |  |  |
| 10 | 17.04.16 | B15,B20 | B11,B16 | | B12,B17 | B13,B18 | B14,B19 |  |  |  |  |  |
| 11 | 22.01.16 |  |  | |  |  |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |
| 12 | 29.01.16 |  |  | |  |  |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |
| 13 | 12.02.16 |  |  | |  |  |  | B2,B7 | B3,B8 | B4,B9 | B5,B10 | B1,B6 |
| 14 | 04.03.16 |  |  | |  |  |  | B12,B17 | B13,B18 | B14,B19 | B15,B20 | B11,B16 |
| 15 | 11.03.16 |  |  | |  |  |  | B3,B8 | B4,B9 | B5,B10 | B1,B6 | B2,B7 |
| 16 | 18.03.16 |  |  | |  |  |  | B13,B18 | B14,B19 | B15,B20 | B11,B16 | B12,B17 |
| 17 | 16.04.16 |  |  | |  |  |  | B4,B9 | B5,B10 | B1,B6 | B2,B7 | B3,B8 |
| 18 | 17.04.16 |  |  | |  |  |  | B14,B19 | B15,B20 | B11,B16 | B12,B17 | B13,B18 |
| 19 | 22.04.16 |  |  | |  |  |  | B5,B10 | B1,B6 | B2,B7 | B3,B8 | B4,B9 |
| 20 | 23.04.16 |  |  | |  |  |  | B15,B20 | B11,B16 | B12,B17 | B13,B18 | B14,B19 |
| 21 | 20.04.16 | B1-B10 Internal exam | | | | | |  |  |  |  |  |
| 22 | 29.04.16 |  | |  |  |  |  | B11-B20 internal exam | | | | |