

EXPERIMENT-1

- **AIM:** Familiarization of different keys of 8085 microprocessor kit and its memory map.
- **APPARATUS:** 8085 kit.
- **DIAGRAM:**

Reset	VCT INT	Shift	C	D	E	F
RTG SI	INCD	DELD	8	9	A	B
DEL GO	INS BM	REL EXEM	4	5	6	7
STRG PRG	MEMO MEME	FILL	0	1	2	3

Keyboard of 8085 kit

- **THRORY:-**

KEYBOARD DESCRIPTION:

Vinytics 8085 kit has 28 keys and six-seven segment display to communicate with the outside world. As kit is switches ON, a message –'UP 85' is displayed on the display and all keys are in command mode.

The keyboard is as shown below:

- **RESET:-** Reset the system.
- **VCT INT:-** Hardware interrupt via keyboard, RST 7.5.
- **SHIFT:-** Provides a second level command to all keys.
- **GO:-** To execute a program.
- **SI:-** To execute the program on single step mode.
- **EXREG:-** EXAMINE REGISTER; allows user to examine and modify the contents of different register.
- **PRE:-** Previous is used as an intermediate terminator in case of examine memory.
- **DEL:-** DELETE the part of the program or data with relocation, by one or more bytes.
- **INS:-** Inserts the part of the program or data with relocation, by one or more bytes.
- **B.M:-** BLOCK MOVE allows user to move a block of memory to any RAM area.
- **FILL:-** Allows user to fill RAM area with a constant.
- **REL:-** RELOCATES a program written for some memory area and to be transferred to other memory area.

Microprocessor Lab Manual

Raffaela Di Napoli



Microprocessor Lab Manual:

Enjoying the Melody of Expression: An Mental Symphony within **Micrprocessor Lab Manual**

In a global consumed by displays and the ceaseless chatter of instantaneous communication, the melodic splendor and mental symphony created by the published term often fade into the back ground, eclipsed by the persistent noise and interruptions that permeate our lives. But, set within the pages of **Micrprocessor Lab Manual** a stunning literary prize overflowing with raw thoughts, lies an immersive symphony waiting to be embraced. Crafted by an elegant composer of language, this interesting masterpiece conducts readers on a psychological trip, well unraveling the concealed tunes and profound influence resonating within each carefully crafted phrase. Within the depths with this moving review, we will investigate the book is main harmonies, analyze its enthralling publishing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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