

## 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	DELD	DELD	8	9	A	B
DEL GO	INS BM	REL EXEM	4	5	6	7
STRG PRG	MEMO MEMO	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 Explanation

**Didier Musso**



## **Microprocessor Lab Manual Explanation:**

## Decoding **Microprocessor Lab Manual Explanation**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Microprocessor Lab Manual Explanation**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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