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8086 Lab Manual

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Microprocessor 8086 Lab

A INTRODUCTION TO
8086

MICROPROCESSOR i v
B TUTORIALS - Creating
source code vi xi PART
A Assembly Language
Programs (ALP) 1.

Programs Involving
Data transfer

instructions 1.1 Write
an ALP to move block
of data without overlap
1 3 1.2 Write an ALP to
move block of data

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with overlap 4 5 1.3
Program to interchange a block of
data 6 7 2.

MICROPROCESSOR LABORATORY (10ECL68) - Engineering

MICROPROCESSOR LAB

Subject Code :

10ECL68 IA Marks : 25

No. of Practical

Hrs/Week : 03 Exam

Hours : 03 Total no. of

Practical Hrs. : 42

Exam Marks : 50 I.

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Programs Involving 1
Data transfer

- instructions like: 1.1
Byte and word data
transfer in different
addressing modes. 1.2
Block move (with and
without overlap) 1.3
Block interchange

10ECL68 - Atria | e- Learning

8086 microprocessor
lab manual 1.

Microprocessor Lab For
IV Semester Electronics
& Communication

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Department of
Electronics & Manual

Communication Sri
Siddhartha Institute of
Technology Maralur,
Tumkur 2. CONTENTS
8085

MICROPROCESSOR LAB
PROGRAMS 1. To move
data block from one
location to other
without overlap 2.

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programming and

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interfacing of external
devices to 8086
microprocessor using
DOS environment

Outcome: At the end of
the Lab Course Student
is able to: · Proficiently
use DOS assemblers
like MASM, TASM · Use
the knowledge of the
8086 instruction set
and utilize it in
programming

**Department of
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Communication**

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Engineering

Microprocessor & 8086 Lab Manual

Microcontroller

laboratory Dept. of

CSE, GCEM Page 3

Semester- 4

Introduction to 8086

and Microsoft

assembler 8086

Internal Block diagram

8086 is a 16-bit

processor having 16-bit

data bus and 20-bit

address bus.

**DEPARTMENT OF
COMPUTER SCIENCE**

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& ENGINEERING ...

AIM: To multiply two 16-bit data (Multibyte multiplication) using 8086 microprocessor.

APPARATUS: 1. 8086 Trainer kit 2. Key board
3. SMPS PROGRAM

CODE: MOV AX,[0300]
MOV BX,[0302] MUL BX

INT A5 RESULT: Input Data (Before Execution) 0000:0300

44 0000:0301 44

0000:0302 11

0000:0303 11 Output

Data (After Execution)

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AL 44 AH 44 DL 00 DH
0086 Lab Manual

MICROPROCESSORS & INTERFACING DEVICES

Ramaiah Institute of
Technology ISE 4th
Sem

Microprocessor8086
Lab programs. PART A.
Design and implement
Assembly Language
Program using 8086
instruction set to: 1a)
Search for a key in an
array of bytes/words

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using Binary Search technique. 1b) Count and display number of 1"s in the input given using switches of a logical controller interface.

GitHub - VikasNS/RIT-4th-sem-Microprocessor-8086: Ramaiah

...

MP LAB (EE-329-F) LAB
MANUAL (V SEM ECE)
Page 6 EXPERIMENT
NO .1 (B) AIM : STUDY
OF 8086

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MICROPROCESSOR KIT.

APPARATUS: 8086

microprocessor kit.

THEORY :The 8086 is a
16-bit, N-channel,
HMOS

microprocessor.The
term HMOS is used for
high-speed MOS”.

MICROPROCESSOR AND INTERFACING

In the 8088, these
bytes come in on the
8-bit data bus. In the
8086, bytes at even
addresses come in on

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the low half of the data bus (bits 0-7) and bytes at odd addresses come in on the upper half of the data bus (bits 8-15). · The 8086 can read a 16-bit word at an even address in one operation and at an odd address in two operations.

Microprocessor Lab Viva Questions with Answers ~ All For You

to gain experience in

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Microprocessor
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microprocessor-based system design, assembly language programming, and I/O interfacing to microprocessors.

Course Outcomes:

After completing this course, the student will be able to: 1. Apply the fundamentals of assembly level programming of microprocessors. 2. Build a program on a microprocessor using instruction set of 8086.

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**Microprocessors and
Microcontrollers lab
Dept of ECE**

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6th Sem

MICROPROCESSORS
AND

MICROCONTROLLERS

Notes are listed down
for students to make
perfect utilization and
score maximum marks
with our study

materials. EC8691 MM
MICROPROCESSORS
AND

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MICROPROCESSOR
8086 CPU Manual
MICROCONTROLLERS .

OBJECTIVES: To understand the Architecture of 8086 microprocessor.

EC8691 MM Notes, MICROPROCESSORS AND MICROCONTROLLERS

...

Anna University
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MICROCONTROLLERS
Engineering Syllabus. E
C8691MICROPROCESS
ORS AND
MICROCONTROLLERS.

OBJECTIVES: To
understand the
Architecture of 8086
microprocessor. To
learn the design
aspects of I/O and
Memory Interfacing
circuits.

EC8691 MM
Syllabus,
MICROPROCESSORS

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Microprocessor **AND** **8086 LAB MANUAL** **MICROCONTROLLERS**

...

Microprocessor 8086 is the first in its family to get more popular than other microprocessor. It is developed by Intel. It is 16bit which results in the creating x86 architecture. It has instruction queue which stores instructions as six bytes thus increasing the processing speed. There are three types

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Microprocessor
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in 8086 version.

TOP 250+

**Microprocessor 8086
Interview Questions
and ...**

All Hardware
Equipment Explained
8086 Microprocessor
Lab Bangalore.

**All Hardware
Equipment
Explained 8086
Microprocessor Lab
Bangalore**

Programming 8086 to

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arrange given numbers
in ascending order -

Duration: ...

Microcontroller Lab

Demo - Duration: 7:52.

Dawn Tutorials 3,528

views. ...

Microprocessor Lecture
1 ...

Lecture-1: Microprocessor Labo ratory|15ECL47/15CS L48| Number Systems | VTU

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Microcontroller Lab

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Microprocessor
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VTU/CSE/ISE/4th sem
/microprocessor lab
program

VTU/CSE/ISE/4th sem
/microprocessor lab
program ARM DATA
TRANSFER , ADD SUB ,
MUL OPERATION.

Microprocessor And
Microcontroller Lab
8086 Programming
part 1 Addition of two 8
bit numbers is
discussed on emulator
software. It provides a
good start to
programming.

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Microprocessor

Vtu Microprocessor Answer Key

microprocessor and
interfacing lab list of
experiments v

sem.(ece, cse, it,bme)

1. study architecture of
8085 & familiarization
with its hardware,
commands & operation
of microprocessor kit.

2. write a program
using 8085 & verify for
: (a) addition of two
8-bit numbers. (b)
addition of two 16-bit

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numbers. (with carry)
3. **8086 Lab Manual**

MICROPROCESSOR AND INTERFACING LAB

8085 Microprocessor
Lab Viva Questions
With Answers. 1. ... It is
the coprocessor chip
compatible with 8086
microprocessor to do
numerical calculations.
20. How the carry flag
can be reset to zero
without affecting the
Accumulator contents?

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Microprocessor
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By two instructions STC
and CMC. 21.

8085 Microprocessor Lab - Viva Questions - Electronics and ...

The main objective of this lab course is to gain the practical hands on experience of programming the 8086 microprocessor and 8051 ... 1 Free Access to PDF Ebooks Vtu 6th Sem Ece.

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AND 8051 Lab Manual
MICROCONTROLLER
LAB. ...

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7 KEC-552

Microprocessor &

Microcontroller Lab 0 0

2 25 25 50 1 8 KEC-553

Digital Signal

Processing Lab 0 0 2

25 25 50 1 ... (V & VI

semester) Page 6 KEC

-502

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3L:1T:0P 4 Credits ...

Examine 8085 & 8086 microprocessor and its interfacing with peripheral devices. 3. State various conversion techniques using 8085 ...

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