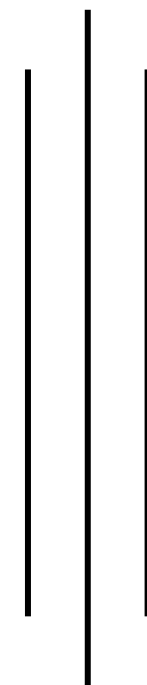


SAGARMATHA ENGINEERING COLLEGE

(TU Affiliated)

Sanepa, Lalitpur



LAB NO: 8

A LAB REPORT ON

MISCELLANEOUS PROBLEMS FROM PAST IOE EXAMS IN 8085 PROGRAMMING.

Submitted By

Name:

Faculty/Year:

Roll No.:

Date:

Submitted To

Department of Electronics and Computer Engineering

Signature:

Date:



MICROPROCESSOR LAB-08

TITLE

MISCELLANEOUS PROBLEMS FROM PAST IOE EXAMS IN 8085 PROGRAMMING.

Objective

- ✓ To be able to develop various programming logics.
- ✓ To be able to solve problems asked in final examination.

Hardware/Software Required

- Computer with internet
- Sim8085 online simulator

Problems

Q1. Write a program in 8085 to count the odd and even parity numbers of 150 data stored in the memory location starting from C050H. Stores the counts at memory locations D000H and D001H.

[2077 *Chaitra*]

Q2. There are 40 8-bit numbers in a table with address starting from 9090H. Write a program in 8085 to transfer these numbers to another table with address from A010H if lower nibble of a number is greater than higher nibble. Otherwise transfer by setting bit D2 and resetting bit D6.

[2078 *Baishakh*]

Q3. There are two tables holding twenty data whose starting address is 9000H and 9020H respectively. Write a program to add the content of first table with the content of second table having same array index. Store sum and carry into the third and fourth table indexing from 9040H and 9060H respectively. [2074 *Bhadra*]

Result

Hence, All the given instructions are executed and the result is verified.