



UNIVERSITY OF MINES AND TECHNOLOGY, TARKWA

FIRST SEMESTER EXAMINATIONS, NOV/DEC 2018

COURSE NO: CE 271

COURSE NAME: MICROPROCESSORS & MICROCONTROLLERS

CLASS: CE II

TIME: 3 HOURS

Name: _____ Index Number: _____

PRACTICAL EXAMINATION SET 3

Answer Only One Question

Q 1

Using the Intel 8086-instruction set and given the set of values:

10E5h, 10EAh, 10C4h, 10B4h, 0401h, 1201h, 0061h, 2013h, 1790h, 540Ah

Write an assembly language program that sorts the given set of values in ascending order.

[40 MARKS]

Q 2

Using the Intel 8086-instruction set, write an assembly language program to display the string “*Assembly Language Programming*” which is from the given string “*Welcome to Assembly Language Programming on the Intel 8086 microprocessor*”

[40 MARKS]

Examiner: T. Kwantwi