COLLEGE OF ENGINEERING & TECHNOLOGY

Department	: Computer Engineering
Lecturer	: Dr. Manal Helal
TA	: Eng. Mohamed Sami
Course Title	: System Programming
Course Code	: CC410

Sheet 4

SIC, SIC/XE : I/O Programming

1. **Suppose that RECORD contains a 100-byte record. Write a subroutine for SIC that will write this record on to device 05.**

2. **Write a subroutine for SIC/XE that will read a record into a buffer. The record may be any length from 1 to 100 bytes. The end of record is marked with a "null" character (ASCII code 00). The subroutine should place the length of the record read into a variable named LENGTH. Use immediate addressing and register-to-register instructions to make the process as efficient as possible.**